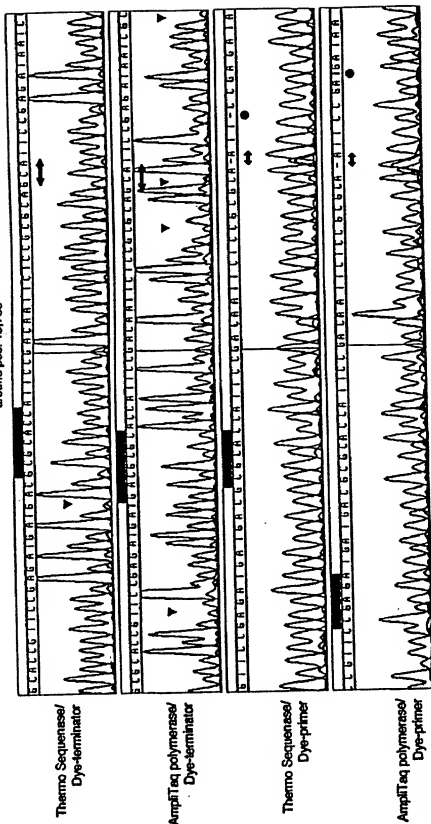
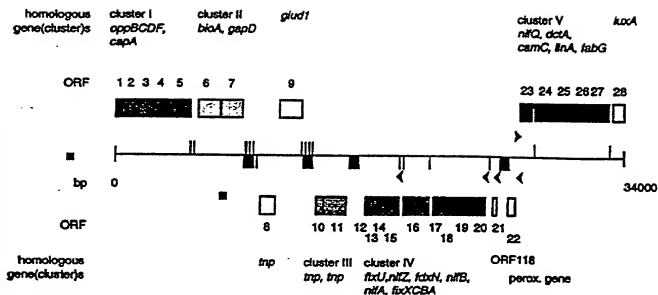


pXB296  
around pos. 15,783



**Figure 1.** Comparison of sequences from pXB296 created by different cycle sequencing methods. The graphic outputs (program XGAP) of four electropherograms (traces) with the corresponding sequences generated by automatic base calling are shown around the pXB296 sequence position 15,783 (vertical line in the middle of each sequence). The readings cover a part of the minus strand of pXB296. (▼) Extremely low signals produced with dye terminators; (↔) the sequence GCA, which is compressed in dye primer scans; (●) automatic base-calling inaccuracies.



**Figure 2.** Organization of the predicted ORFs in pXB296 from *Rhizobium* sp. NGR234. Significant stem-loops (○)/stem-loop clusters (■), which might function as p-independent transcription terminators, are represented. Sequence motifs (open arrowhead), similar to  $\sigma^{54}$ -dependent promoter consensus sequences (TGGCAG-N<sub>4</sub>-TTGC) + *nifA* upstream activator sequences (TGT-N<sub>10</sub>-ACA), are located at the following positions on the cosmid: 19,107-19,120 + 19,195-19,210; 24,787-24,800 + 24,878-24,893; 25,508-25,521 + 25,567-25,582; 26,815-26,828 + 26,941-26,956 (all minus strand); 27,074-27,131 (several possibilities) + 26,969-26,984 (plus strand).

Complete sequence of pNGR234a:

Figure 3

Length: 536165 bp

```

1 gatctcgatt ggcagacccg gcaccgcgcg ccagctaact acgcctataga
51 gcgcggcagc gaagccgcgt agtaactgtc tgttggcggc gccgcgcgcg
101 gcgcggatcg cctgcgcgcg cttaccataa tgagccgcgt cgaaggaaac
151 accgatcctc ttgagccgga agtaagactt cagcgttgcc ctcatatcga
201 agggcccgctc atgcaccaga ggcaccgcgc cgtgcgcgcg ttgagtcggc
251 cgcagataat ttccgatttt ggcttcgagc acgagctcaa ttgagtcggc
301 ccagttaaaga cgtagcagga tgtattcgga agggatgggt gaactgcgtt
351 ccagctcaga cgcaccatgg ccgttcggcat gaagataagc gaggacgcgcg
401 tcagtcggcg agcggatgct caattccaga gcgcggcgat cagtcgcgcg
451 gcgatttcgg gaactggtat tcaactgact cctcggtgtt ccgagcgttg
501 caaaaccgctc tggatttacc aatcaagtgt ttgtctctga aagagccaga
551 tcggcggcac ggttaaccga ccgcaccgat cctcgtatgg ttgcggcgaa
601 accggttgcc gttccagtcg cagcaaggaa caggtttttg caacogggtc
651 cgggcctctg acgtagtcgg ttctgtctcg gggtggcgtt gaatgtggcc
701 cggcgtccac acagcatctg ccacggcgcc agctgcgctg agatccccc
751 ggcttcgcac acgtgcgcgc agatacctcg cagcaactcc tcacgcggaa
801 tgtcaagcac gcggtgcgca ttgctaatgg tgactgaagc ccgctgcgga
851 taggcgacaa gcaactccgc gaggcccgcc accagcccca ggtatggatc
901 cgcgcaccca gcgcctcaga agcgaaatgt ggatataagc acggcgcgat
951 atcctgtcgg ggttttcacc ccggcgagga gcgttcgctg cgccttcg
1001 ggcccgcgga ggtacacggc gtctcgggg ccgacgcgta tcttctgtc
1051 accgaataca agttcgtcga tgatctcgcc cgatttgcca agctttgcga
1101 gtttatggct gaggcggaag ctggcgccccc gccttccag gacttgacc
1151 gcgggtctga ccagaaacgg gcctcagtcg tcgcgcgoga ctacggcgag
1201 gcaagcctcg ccgcgcgcga ccgcaggttcc cgtacagatg gaacoggcaa
1251 gccctgcgca gccctccggc ggtatcgcaat tcaaggcgcc gaggcagcgc
1301 ggccgcacca gacgcgggta cagcgtacca ttgcagggtt taggtttcc
1351 gaacagttca tccgcgcggc ccacataggt ttggcggcgc ttccagttgt
1401 cccagcctct gttgctcggg ccgcgagcgc ccttgtggga caccaggttc
1451 ggaagctcag ccgcaactgt atcgacctga cagcgtgca cgttgagat
1501 gtgcgcagag ggaactctgt cactcgtcgg accgcacaga cggatttcg
1551 ttccgatcgc accggcgtag ttgcgcacat attggttgcc cagtagaacc
1601 agatggttgc cgttgtcgat gtcgagattg gttgcgggat ccgaaaggga
1651 gcggcatcga ccgcgcggcct cttgcgtcgc ttcatagaca gtacccggca
1701 aacctgcatt gctcaactgc accggcgccg aaaggccgga gatccggcg
1751 ccgataatgt gaacattttt tggcatcaca acatcaaggc gtaaccggag
1801 agaatggcgc gctttgtcga attggttaca gcacccggtt cccggggagc
1851 ccgcaaaacc cttatcagca gcaggtccaa gatcgccgg caactttgg
1901 acatgatggt gggggcgccct acattctctg gccggttgca attcacgatc
1951 tctgcgatt cggcaaatgt catctcgcgc ctttgtgga ggggtgcga
2001 cgccttgagg agcgctttgt ccggcgatga tttatgggg cctgtgctgg
2051 tgataccgga gtgatcgagg ctttcgctgt gtatatagag ccgaccacga
2101 ccagcatcct cgtctatgtc gcgcaggatg ttggttgagt gcagcgcaag
2151 accgaggtga tgcgcgaagt caatgccatc ctccctgcct aagccgaaca
2201 cagcgcacca catccttccc accggcgttg ccagacggtc gcaatagaga
2251 tccagggtyt ccattttggg cgcgcgggat tcttgtagta cgtccatttc
2301 catcgctcgc acacagcgta ggaatcctc tcgcttcagc ccgaaggtcg
2351 ttaccggagg gagatagtc tttagccgcg gcgcgggtac acattggtag
2401 agcgcgtaaa tgtgatcgca ccattgtcga agtcagcaaa ggcggtgttc
2451 gcgcgcttgc tccgagtcgg cgtatgcctc gacctggggg agaaagctc
2501 agatctcggc tctgcgcgcg cgtcgcgagg ccggggaggt accgattccc
2551 agatagaaag agctgcacag ggcgtcagag cgttggtgtc cgtggcgccg
2601 cgcctccgac ctcatagctc gacagtgctc ttgaatcgcg tacccgggcc
2651 gaagcgacgg cgcgcggctt cgtttgccat tgcgcgcag ccattggaga
2701 gcagctcaag cggcgacaga tgcacgcgct ccttagaggg atcgcgcatc
2751 ttcagcatcg acacgatctt atcgccaaaa gacagtatga cggagacctc
2801 gaaccggagg cgaagtctct tcccttcgga caccagcgtt ccgcccctgt
2851 tgagcagcac ctccgcttcc gtcgcgagag agcgcaaggca ttgtagcatc
2901 tgcacaaggc attttgcggc gccacgctct tcataggagg ccgcgttgcc
2951 tgcgaagcca tccggcgggaa tatcagcgcg attgagatga aggaatctc
3001 tgcgaagcca ctgcagtggt ttccagcgtg ttcagacgct gtaaacaca
3051 tccagtcgcg gccagtcgag ggcactttcg cgttggtgct cagcacaaaa
3101 tggcgccacc ggcctgcgcg agtatcgcca ataactgcat acctgtccc
3151 agttctctga adgctgctta gtacgctcca ttccggaagg cgtgagcaga
3201 tctgagtcac gacgcgcgcg catgcgcgct cgttcaagcg cactgctgac
3251 gtgtacagct tctgtctcgc tttgcgcttt gcgcgacgcg tcggtttcca
3301 gggaggtcga gtacagaaag tttctgtctg gcgcgagcgt cgcgtgatcg
3351 gcaatgtcat cggccatcgc gacgaatcgg tagaaggcaa gaatcagcgc
3401 tctgtgcgcc ggtatggata tccgcagcgc aacggggaaa ttttctcgc
3451 gttgcattgc gtccgacctg gggccgctgc cgtctgcat tttagacatc
3501 cgtcgttttt ctaggcgttg gactgctgta aatgcagtc ggcgcgcga
3551 ataatctga caatccacga aggtacggcg gggcgcaag acgttatoga

```

09939964-082701

```

3601 cggcgcgcg tttttatccc cgaagaattat cggatggaaa tctgtttttc
3651 gagtatactg atttgtctgt acgaattctt tggatgaagc tctgtgttag
3701 actatacccc agttagctaaa gggagatcga ctaccggcga tctatgaatc
3751 accacatccc tggcatgcga acatataccc ccaactcaat attacgggtt
3801 catattcttc gtgatggaac tcggagagcg aaactctctc cgaagtggcg
3851 cgatttggtc gaaaaattct ttggattgco cgcgctccta tcacggggcg
3901 ctgcatcgcc cagaggctca ttgcattttc gtgtacagc tcagcgaagc
3951 cgatcgatcc accottattg aatcgtcgaa tcaactcttc gacgctcccg
4001 cgcgcgctca ttgaaatgct cctttctcaa gacotttggc acatcggttc
4051 cgtcaggatc cggcattttc cagctgtcga ttogatagcc agagggatat
4101 cgcgcgactc gatcccaaaa cataatgagc cacaagaagg cgcacagcga
4151 ttgtctgtgc agataaggc ccgcgtttcg ttggttcagt cattgcagct
4201 gatgtccacg tgcatacttc gatcgcgctt ctaaaaggga ttatgtaccc
4251 ttcaacgaa gtcggggagc cccacgcgac gtgggaagc tgcgtatgtg
4301 gtcaactgaa ggttcgtggc cgtgtttttt gtgggaagcc ggttacttgg
4351 caaagctcga actccacctc tcaagtggcg cgcgagagcc cttttcagtg
4401 accgcacggc cccacgctag tgttgtctga atcaaacctg gatccgagtg
4451 gaaaagcggg cccacgggaag agctaactca gatgtatttt tcacacaggt
4501 ttcaatagt ctgcgtttat tgaatatcaat tttttcaatg acataaatct
4551 atacggtaga ttacacggcg agtatgcttc agccacaggc ggtttcgagc
4601 tcagaaagctc ggggtttctca atttgaggag ttatcagtg taattaaagc
4651 agaacgaggg tgcgatctgt aaggaatgga tgaagctttt tctagtgctg
4701 gtgtcgcgcg agaacgggtc gccactggca gacagtgtag tgcatacgctg
4751 ctccggttcaa tgcatacgcg aagacgggca ctgtctcttg ggcgcgcgctg
4801 gctataccaa tgaatacaaa gggggtcgag cggggtctgc ttatcctggc
4851 aatgcggagc tgataccccc taacggcgct gtatcgcggt ccgagtgtac
4901 cgttcaggga ggcgggtatat ttccacggcc ccccgctcgc cgtcgatc
4951 gatgtcgcat ctccagggcg cacaatatctt gcgcgcagca acccgcaact
5001 cgtcgacgco gttgatgagc gggtaggggt gatdcgggaa gagacggggt
5051 ggcgcagagc ttgcgggaag cacaagcgac tcgcgcgtag cccgcaggcg
5101 gatgggtgtg gagggagcgg cgcggtgggg cgttttggca aacgggtgtc
5151 agtgccagag tcgggacccc ccttaattat cagccacatt gctgacaaac
5201 gatccatagg atttggcgag tcgcagctcg agcagggtct cttgggcgca
5251 acccatcgac acgagctctt cgcgatgaaa aagctttcgt ggggttcogt
5301 ccggtctagg tgcgtcgagc agctatgctc ctttaaaac acacacgctg
5351 cagacgatct cgtatagatg agtccagggc attccccccc cggagctagt
5401 gtaagtgtgt tccgtttcgg aataatgctt aagtgggaag accggggcgt
5451 cggagcagtc ttcaactgtc aaaaagtctc gagtagggtc cgcgcttccc
5501 catatagaca agcaccccaag gtctttaate ttgctcact gtggtttgcy
5551 tattaaggca gggagcagct ggcctggagt aagatcgaa ttatcgctgt
5601 ggcctatagag atttgcggcg atgcttgata tgaagtttgc cgcgtattgc
5651 ttacgatagc cttgacacaa cttaatgcgc gctgatttgg cgtcgcata
5701 ccaactcgtt gtgcgtcaca gtggtccggt taatagagcc tcttccctta
5751 tgggctggcg cgcataactc gcatatagc aggatatac aaggaanaa
5801 agcttttcaa cgcactcgcg gagaggcccc tcaatgcact tagcctatg
5851 gataaggtgt gataatagc agtccagggc catagatcta ttgcacgga
5901 tccaccccaac cttcgtgcgc gccattatga ccggtggggt cttttctctt
5951 aatgaanaatt tctcaacttc ctcttgccgc gtccagatcaa gcttttgctt
6001 atctgcaacg atgactctgc aaactcggga ggcgaagcat cgaattatgg
6051 cgtcgcgacg catacctttg tgcctcgga cccaataag ctttcogtct
6101 agcaaatata tcggatcttc gctcttact gtccggtgcc cctcaaataa
6151 gagagatctt ccttaacctc ttgcgaagca agatctctca cactgtctc
6201 gtgcctccag cccaaaaact gcggggcctt ggtggcatc cctaaaagta
6251 aatctaactc cgtggggcgt aatatggcgc gatccacgct aacgagcat
6301 ctgcgtgtcg ttcaactctat gcccctttct tctcagctct ctcaccaac
6351 ttccatgagc cgtcttgtag ccttggaagc cctatcgaca aacgtcgaa
6401 ccgagtgtgt cacccgcta gccaggaact agtcgctgtg tctatcgtt
6451 tgacacatca tccacatgco ccgcacatcc tcacgggcat gtccccagtc
6501 acgttgagca tctagatttc caagataaag gactcttgt tcaactagac
6551 tgattggcgc tgcagccggc gtgatcttgc gagtcaogaa cgtctcccca
6601 cgaagcgagc ttctgtggtt gaaaagaata ccgttggagg catcagatgc
6651 gtaagcctct ctataattta cgcacatcca gtacgcgtac agctttggcg
6701 ccgctgaggg tgaacggggg tagaatggcg tcttttctgt ttggggggct
6751 tcttgagcca gcccatatag cctcgagctc gatgctgat aaaaaggatc
6801 ccgattgttc agcccaagaa tccgaataga ttccagctg cgcattgtac
6851 caattgtctt agcgtttgag ggccttcgag gttttcgaa gtttaoctg
6901 acgtggcttc gttgttcagg gttgtagatc tcaatggctgt ggtttgtgt
6951 aaactagcgc agcaaatgtg tcaatccgtt caatacccca tagtgggaa
7001 aaactctgc ttccagatcg tgcgttctt gataaattgt cttctacgct
7051 tgaggttga atgatgaga acgagcttt atgcgctgaa caatatagcc
7101 ttgctccaac agcagctcag caagataaag cccatcctga ccgctaogc
7151 cagatattaa agtacttct cgtctgtcca ctttgtaga tctccagtg
7201 tatctcgtcg ggaagggggc tgcgctaggg cagctgggtt gaaggaaac
7251 gtctgtcttc ggcgacagag cgggcctatg gaggcattgc gtttttcaaa
7301 gcgatttgc cgggagagct agccgggggg caactgggca tggcgcttc
7351 gtcctccgtg gagcgcgccc aagttctctc atgactgttc ttcacacgc

```

09939664.082701

7401 ctagaattga gytgacgatt ttcattccag agggggtatt ttttgagat  
 7451 ctttcgata cyacacgggg ataggatctg ttcagatcaa actcaaatg  
 7501 ccttcgggca gaagaggggg cgtacgtgtt aaaggcggtt gtcggagaa  
 7551 accgaatgac gytgtcgata agccdaagaa gatcatctc gacgagggg  
 7601 gaatttcgg cctcaacccc gagatctgct cgtgttaagt ggcacgact  
 7651 atccgttcgg aaacttttgc ggtatcgttg agatcggggg aactctactgc  
 7701 acacctggct caataccccc ggcgtatcgg tgcacaaat caccgcaca  
 7751 ggcttcgggt ggggcacacg tttggcgaca ttaatggcag tgcacattg  
 7801 atgcacggga aggttcggat cggccagta ggttgcatgg tccatacgt  
 7851 cttcggcggtt accatgcoga acatgaaccc cgttcgact gtaccatagt  
 7901 aagtgtctct gatagatagc gtctatgga gcttgatatt cagcccgag  
 7951 cttgacacgg cagaaatctc gcgcgtctgc cttcctctgc cagccpcaa  
 8001 tcaaacggg atcacacact accgttgga cctcgcacac atctggggc  
 8051 tggaaaggtt catcgagttc gtctcgtctt gcaaaaact gagactctg  
 8101 gcggttaaca cattcaatcg caggtttatt ccccaattt gggaagagt  
 8151 gtctcgggaa ggaaactctg ttgacccggt tatcgcaat aaaggggaca  
 8201 cctcgatata ctttgattgg tcaaaaaac accggaaagg cgtttgtgaa  
 8251 ggggtgatca aggttagcagg acccgcgcca gtcaacggct acggttcgg  
 8301 cgttcctttg ggcgtagcgc caagcgggcg ccagcgacca cagacagta  
 8351 cggaaacacg tacgtctcgg agagaggaca tatcgattg acatgtctgc  
 8401 cgttccttag tgcgcgcgt ctgacttaet gtctctaac gatttccaat  
 8451 caattcagag ctttcctaat gctgtcgga cactcagtaa aatttattt  
 8501 ttgaatggca accatccaca ctttggatgt aaaggggacg tgtctttcag  
 8551 gytcttcgtt cagcttcgtt gggcgaacct cgcgcgtat ggttaacagt  
 8601 ctgcatacca gcaagccta acttacacca ttgaactgtt agggcagcc  
 8651 agtccttgag ccagcaaatg ttccgacga cttgggtgtt ctgcctcgac  
 8701 gtgacaacgc agttacggcg catttctga agggcgagat tgcaggatc  
 8751 ggccgccttc aaatgtcagg cagagcccat ccaagtgtc cgtgcccgc  
 8801 acggacgca tcgggtgtaa ttaatgggaa acattagtt ttgacgttt  
 8851 caagaatcgc actagggggt cgtctctatc gaacggtag ttcctgctc  
 8901 gggcgggcaa agcgactggc aaacagatga tcggcgact ccgcgagag  
 8951 ggaattctgc cttctactgc catgtggagc gctgcaatga tgggaaggac  
 9001 cgactccggg gtcggcaagg cgggaagaga cggcctccg aacgagagat  
 9051 tcgaacctag atgacgaca cgttttctt cgaagccact acccgctgc  
 9101 ttgcgcgca cgcacccctc agtcatgggt gcaatgaagt aaggtgagc  
 9151 aacggggta cgcacccact cgcgcacct ctcocgggtt atcccgagc  
 9201 tctgtgttat tggcgtgaca ataaagtgtg cctccagcag ctttcgcga  
 9251 ataaagcaga gcagatcac gcgaatgga gttccggtt catccgttag  
 9301 caggggcaga tcggcatctg cgttggagga tcaatggcg tcaagggga  
 9351 actccttcgc ccaggcagcg agcatctac atgtgcgcg cgaatagct  
 9401 tcgtgttcaa cagggatgaa gaactcagat cggcctacgg gtaacacatt  
 9451 tggcgcata cttctcaaga tgggtgtcaa aatatcggyt gcaacgctgc  
 9501 tgtgtgata taagccgctc ttttagccct taagggcga ttttgaa  
 9551 agcgttcgtt acgttgtat atgaagatca gttgtctgc tgggtgttc  
 9601 gtcggcggg ccacactcaa ccttggttgc atctgcatgt cgtgaagct  
 9651 gtcgcgcaa cgcgttaac gctgtctgt cggcctgtt gatctaacg  
 9701 tcaggcagat agaacttaac gcggtttcgg tggcgggaa tatggagcc  
 9751 tgtgatcat agtgatgct caccgagttt tcggccgtac aatgaagcg  
 9801 cgtgtgtcgg cagccctcgc cagtgcagcg gcaaccttc ccgcggggg  
 9851 agcgcgcca tgcagatagc ggggatttcc gaactgaat ccgcgaagc  
 9901 ggcacggacc aatacgtgc cccctgggag gaccgctct cgttcggga  
 9951 gcatctoga aaaggcgtga cgttagagcg ccgacacact acccagcagt  
 10001 tctgttgcca acccgcgga accactttgt cggaaatttg gacacttga  
 10051 ctagcgtttt tttgcggag agcgttcagc aggtagtga agtcagga  
 10101 gcaacagga tgaattgca tccactatga atctgttgc cctctgcca  
 10151 cactgttag agcttccat caaacgaat caaaatgac acgtgtctc  
 10201 caaagattat cccagctatc atggcgaggg gttaggggac aaggtctcgg  
 10251 cctctgtcac ggcgaactgc cgcacaaacg tttctaagc taatcggga  
 10301 ggaaacgctc tttcaagaca cgtttaagc cgtttccgat gccaaagtt  
 10351 atggagcacc actcgtcac acaaatgag aatttcggt cctggtttgc  
 10401 gaacaggcgc ggcagctcgg ggtcacgctt tccagcatg taactgagcc  
 10451 ggtgcgcgcg aacacggcag ccgcagtag cgtgcgcgc cgttcgtgc  
 10501 ctgatcgttt tgttagagac ggcgtattgc ttgtgtctgc gtcggacac  
 10551 ggcattacgg tagtcagata tcaacaagaa tgcgtgcga ggcacagga  
 10601 cggcgagcgc gggggcaga tctgtagcgt cgttattcaa ccaacttgc  
 10651 cagcaacga atgcagctac atgcacgtg gcaactaac tgcgaagag  
 10701 cgtcatggyt tcaattgtt ttgtagagaa ccaagttctg aaagagggc  
 10751 ggtcttttg gagacggcca attactattg gaactctggt atgttcttt  
 10801 tccaggcgcg cagcattatc gcgaacttg aggaacatgc acccgagtt  
 10851 ttgtcggcgg tgcacgcgcg ggtcaggggc tcaacgggt acccgagtt  
 10901 tatacgaact gccccggaga gtttcagca aggcgcatac atctcgatc  
 10951 actatgcact gatggagaaa accgcaaacg ccgcgctggt ctgctcgat  
 11001 tttgcttggt cgtatcgtg tagttgggat gctgtatga agtatgaga  
 11051 gcagaatgct gatgtaacg tgcctcaagg caatgttac gctcgaaga  
 11101 ccagaatcgc cttgtgtctg tgcagaccg cgtactcgc tgcacaggg  
 11151 atggatggag ttgcagctat cgttagcgag gacgcagttt tgcctgggg

0933904-082704

11201 actggaaggag gcccatgaga tgggaacott ggtgaagcgc ctgcgcgggy  
 11251 acgaaaatac ggcacgtctt accgaattgc acccaacttt gatacggcca  
 11301 tggggcgctc scacacctat gcttaacogg gatcgcttcc aagtaaggcc  
 11351 gttgttgcta cgcctcggga agatgotttc tctccacaag cattttcttc  
 11401 gatcagagca ctggatctgc gtgaagggca cgcgcagaag gacaatcgag  
 11451 gatcagatga cgtactctga cgaagaccag tcaatctaca tccocgaggy  
 11501 ggcgatacat cgtctgggca accctggcca gatcatctg gagtggctg  
 11551 agattcaaac tgggtgctac ctgggcggag acgatattat ccgcgttcga  
 11601 gacgaatoga gaattgaatt gccagattcg aggcgtacgy gcccataggc  
 11651 atagcgtgcc ctgttcggag tccggcacct tccgacgcgt taaggttatc  
 11701 ggaacgagga cgtggtggca ccatctggaa cgtgtgcacc ggcgcggg  
 11751 gacgggtctg acgcactggc atggtatagc cctctcggtt cgcacgcgtc  
 11801 gtatagtgct gtctctctcc gtggcccgcc cagatagttt ctctgcggca  
 11851 acgcatacct cgcgcagagg taggcgcgaa aatccggctt tcttcgcgga  
 11901 cagcatttgc agacgacact tctgcacggg cagatcgccc ggcgtctcgc  
 11951 acccgtccgg ctctcttttc tttagagggt tcttcgcagg agcacggctg  
 12001 gcacgcggct ccattccggc tttttttacc gacagatcag ctatgcgctt  
 12051 gaagcgcctg tgcgctccc gtcctgggga aggcoccgca ggaacgggta  
 12101 aaaggcgccg ccgaagcccc tgcattgtta gtgcgaagcg tgttcgggtg  
 12151 ggcgttgagc gttctgcctc cctctgcagtc actcggctga aaagacgaaa  
 12201 tggcaggagc gttccgggtt ttgcgcacca agccgtctctt tccagggggt  
 12251 tctcgcagga cgtcggcgag gcacabgaga cgtgaatgca ctgacttca  
 12301 gattaattaa cgtctttcta acgatttgca taattgatcg tctgatgac  
 12351 aaacatccgc actgtggatt cgcgcagaca tgcgttttaa ggccttgat  
 12401 ctcaatctcc tegtgtgcct agcgcgactg atgcacgaac gcaactccg  
 12451 ggcgcgtgca cgcagacata acctgagcca gcgcgggatg agcgcagcca  
 12501 tcaacccggt tcggaactat tctcgcgagc agotatttca ctgaatgggt  
 12551 cgcgaacttg taacaaactc cgcagcgaga gcgctcgacc cgcgaatcgc  
 12601 cgaagccctg ctgcacatcc gatctccat cacttcagtg tatcgttca  
 12651 acccagacga gtcagatgc agtttcagga tcaattcttc cgaactcag  
 12701 acgtcaatgt tctctgaagc ggttgttggt agagtggcgc gggagcgcgc  
 12751 cgcgctgatt tctacggag cgtggttttc cgtgagcga gatgagttc  
 12801 tccggctggg tgatgtgcac tctcgtatcc tgcgcgaact gttcagtgct  
 12851 caccgcctac ccagagcgaa cgtgttgatg gagagattcg tctcgtgag  
 12901 ctgcaccaag aaccagagc taacgcgcga gcctctccat gcaactatg  
 12951 tatcaatggg ccatgttgcg gcccaattcg ggaagcagcg cctctcgcgt  
 13001 gaggaaatgg tattgcgcga gccacggatt cgaagcgggg tcaagtctgc  
 13051 cgtgcggggt tttaaccatg tccgctcttt ttgttcgggg actgacgcga  
 13101 tagcgacctt ccggttaaga ctggcgatgc acttcgcgaa agccattccc  
 13151 ctgcgggata ccgaacttcc acaacccatt ttcccgcggt tcaacggag  
 13201 tgtccagtg ccgcgcctcc acagcagatg tccggccact ctcttgagtt  
 13251 ggcgctattt tctacggag gcgtctcgcg gttgacttca atcgcaact  
 13301 tccggcgatg ctctatctaa agccgcggcg gcaattcgcc acccttgagc  
 13351 ccgcaactgc accgtcgctt caggttcgag cagtttggtt gcaagttgc  
 13401 gctcaacaga ggggctcgca cgcgcggcgc gtcacgcgt ccaactccg  
 13451 accattttgc gctatgcgc agcattagct cttaagcttc agcagcggg  
 13501 agaccatctc attacaggtt atactccttg atactcgat caaacggcg  
 13551 atgggcatta agcgcaggtt cctactgtcc gccatgtcac aagtcaactg  
 13601 caagttgccc ttccgggacg tcccaatcca gccaatttg ggtcggaag  
 13651 ccaatccaac cgcctcgccg cagcctccgc cgaacggccg ttccgtctc  
 13701 gatactcggc tctgaagatc gttgactcgt gctcttccat tgcctctga  
 13751 tctcaagaa agaacggag cgtgcagacc ggtgactgct caattgagt  
 13801 gctcaacttg cgttgactc gttacaaag agcgcctcg ccaaaaggca  
 13851 tattgatatt agcggtatcc agtaaatcat tggtaaaag atctctacc  
 13901 aggaagtaag gtgttgagtg ttgacctgga gaagaaaaga gccaaaggga  
 13951 acgctgtgga tatttaagtc ggcgcctgaa ttgcgcagag gcgcagtg  
 14001 cagaatatgt cccaacggcg cctcgggaga gctatcgggg tgaagttta  
 14051 gcaggttgcaa aaatatgaa agggctcgaa ccgggtaggt cggggcgac  
 14101 ttcagcagat atctgatgca ctgggaatgc acccttctta ttttttgg  
 14151 gacatgctg acgacactca gtcgataggy caggggcccc ctaatcagg  
 14201 ctatatcccg ccgaagatga ttgagttcgc tgcacggcac gaaggggtg  
 14251 agctccatc ggcgtctcc cgtgcgggca atctcaagct ggcgtgtgca  
 14301 atcgtgaag tgcctcaagc cgtgcagctg tctcggtgag acagctgaat  
 14351 tgcgccattt ctgagtcgaa cgcggctacg ctctcggaat gaatatcacc  
 14401 gtaagtgaac tgcctatggy accgttgcac tgaactctga gctcattgag  
 14451 ttcaaatcat accagtgagc taggggagga aatcacagtg gctgacgga  
 14501 gtaacacagg accagttgac cggcgtgaggy cgttgccga acgcagaga  
 14551 ccagctggca aaagyaagc ttctcggcg cgtcaagaa cggctcggg  
 14601 accagttgcy gaatcaaga cgaactgtaa gctcaagaga tatagcgga  
 14651 cagaagagcg tgacaagctc aaatctgatg aggcgaaggt ggcctcaagg  
 14701 aatagcacc taaaggacgc gatcaagag gcggcgatc cggagcaaac  
 14751 ctactcgtgt tggagaagat ctgctaaagc tgcgagtcga aaacagaggy  
 14801 agtctcagc agcgcgagat cgtgcgaggt atctcattca actgcaaaag  
 14851 gaacacttga cgtttcgaaa ctttttggcg gacaaactgc gtcggcaaaa  
 14901 cgcgcgaact cgcagaagac ttgggctgga ttgattcaag agtagcctc  
 14951 caaggtctgt gtaaggcgcc ctgcgggctt ccgaagggga ccggtgcct

0993994.022701

15001 agccttacgg ccacttgcat cgaagtcgaa atggcgggat ttggcgaat  
15051 ggttaaaaggaa ttgctggggc cgttttgggc ctgatgagtc gtggatttgt  
15101 tggcagatcac atatgaaac accacccggy aggtttattg tggaaatcaa  
15151 gcaagcagcgy cggcgatccaa aggaacgaac gaattcagtc tgggaaacaa  
15201 cggactctaa ggttttgacg cggcaatggy aagatagtcg tgggaaacaa  
15251 ttcaacttaa aggaagcgg agtatccctt aaactagctt cggctgtgtg  
15301 gggcagcccg aatgcagagt ttctcattgc agacaagaag aatatcgggc  
15351 ttgggcgcga agccgtgaca ccggcgcgaag gttcggaaaa cgcgttgttc  
15401 gggctgtgtg aggagacgoc accggtctcc cacaacgaa caaactccaa  
15451 acagcgcatt togggaaagc taaccgagcg gttctcattg gaactgtgtg  
15501 aagatgtaga accgocgatt ttctcgggtg aattggccac ttgcgaagaa  
15551 gaaaacaagc gctccaaag gctgctgctt gaacggtatc ttaccacaaa  
15601 ctgcgaactc aagaagatgc ttgatcgttt taacctcaat tgaactgttc  
15651 gcatccggcg gaaagtotta ggaactctctt gggggccggc gttttagaa  
15701 tgcgtgatag cttctcaac ccactcaatc agcccaacg aatccacaa  
15751 tccatgatgc tagcctagc agcccaacg aatatatca aacaaactg  
15801 agcctacgcy agaattaatg gtttttaat agacttggtt gctgggatt  
15851 aaattatgtt tttagacata cctcgatcgg tggtaataca ctcaatgaga  
15901 agtgtctgtg cagataaata ctttgacgaa attccagctt ggttgtgtat  
15951 tcttccctgt ttgtttgagc cgtcagccag ctcagcgctt tgggtgggc  
16001 ttcccatcac gacttgagoc ttgatgttgc gggcgagctt ggtctgtgt  
16051 caatgacgct ccagtttcaa gaggcaagtc agttacgcy cttttctgt  
16101 cagctttctt cctgaaacgt cttttggga tatgtgta agatccgata  
16151 ggaagagag atgcagaaaa ccaacgtcgy tgcagcaac gaactttgt  
16201 cgaactgac gggcaaaatc gtagccgctt tgcagagac ccaactgtgt  
16251 cgggttgccg ccttcacgag gcttagctgt aggttcaat cagcgtcaa  
16301 caatcgctc cttcccgag cgttgatgtc tccatttg agcgcgaagc  
16351 cagcgtcttc gatccgcaag tctgtgcag agcatagat cactgtcct  
16401 gaatcggcgc cgccttcaa gtgcgtgaag cgcacttg tagccacaca  
16451 caatctgtg ccggaagatt atgcgaaaa ttgggaacta cgcgggact  
16501 acccgatggt cggcccgctt tatcgggaag ccgcgtgcgt ttgcgcaag  
16551 gagataggcc toggcgagcg ccgcaagcgt cgtgttaagt aacagttat  
16601 cgcggcgcy gatcgtgoc agtaacgoc caccgcttta attgcggga  
16651 aatgctatgc agaattgggt gtttggcgcc cacttccag attcacggc  
16701 tgattgcga atgttgaccc ggaacgaag cttggacata cgaactgtgt  
16751 acagcttagc attaaatcaa ggttcgaga gacggcgcc cgttccagat  
16801 ttctaatca ctttgatgtt gggagagcgc gcttctcaa cgtctgtgt  
16851 ccggaggtcc attctcaga tatctccag cgcctgcgc gccatcgat  
16901 caacagcgtt cgcgaatggt taacggcgag catgcggcat cgttcggac  
16951 catgcccgc cctgcacaa cgaactcat ggcgagcgc cctggcgct  
17001 tctcgtgtg ggcgtctatc ggcgcgcct cagaagcgc gtcagctga  
17051 cgaactgac gaacttgct cgcgttgag caaggcaga cgcgcgcgc  
17101 atggggcgca cattgctct tcccatcac cgcgcgcgc atagcttgc  
17151 cacaatgag ctttcacgcy ccgcgcgc atagcttgc cgtatgtct  
17201 gotttaacgc gacaacgoc ggcagatgt cgcgcgcct atgcgcgc  
17251 gtcgcgcgc aatgaagctc gaacgagcgc cgcgcgcgc attgtgtct  
17301 cgtctgagc agctctcat accgtggag gtcgtgggt aaacggcga  
17351 tgttgagc cgttgagcgt cgtctgtt ttggccttc agcagcgtt  
17401 gcaactcgt cattggcgc cgcgggaatg tctgtgatg cgcagagtc  
17451 aagcgtgcgc tgcgtcgggt cgtgcgctt catctcttc gatttgcgc  
17501 caaagagctg ctgctccagc aagcgaagc ggccttgag gtcgcgttc  
17551 tctgcatcaa cggagagaat gatccgctc aattgcgcgc catcgtgag  
17601 taagagctg ggtcaagcg gatacgaga cctagcaca tgaactgaa  
17651 tottaagca aatccaatag gatacgcgc cttgttcgc cgtctttag  
17701 acgttttgtt tgcgcgagc cagtcgata cgttcgcaa aaatttgtt  
17751 cgtcttgaa atctaagctc gtcacagta cgttgtgtt aaactgtat  
17801 aaggcgcgc tcatcgagc actcaagcgc gtcacagta acatgatga  
17851 cgtcgatcaa ctctgaatg actcaagcgc gaagcgcgc tgcgaagaa  
17901 cgtacagcgc tgcgcgac attccggcc tgcagcgcgc ggtgttcag  
17951 atcaacgctg cttacagctc tgcattgoc agcatgcgc cgtatgagc  
18001 gacttgtgt cagacaagc actcaagcgc gtttttgac gotttgata  
18051 atccgcocaa accgaagcgt cgtcgagag acggttcaa cgtttatag  
18101 gagacgtgag ttcttaagta atggcaata ccggcgccgc aaacgata  
18151 atcgagcgc tcatcccaa cctgcagat cggcgcgctt tttttgtg  
18201 aatcatcgac gtgcacaact ttctatgaa aacggcgaa agctatgac  
18251 aagcagacaa ctttgtgtc tatgtgatg cgcagagcga agctatgac  
18301 gttatagggt tctagcact caacagccac tgcagagcga agctatgac  
18351 ggcggaagc tttctgcga cgcagagcga acagcgtg atacggcgcc  
18401 cctatgagc agcagagcga atgagagcga atacggcgcc atacggcgcc  
18451 ggcggcgatc tggttacga gctctgaa aggatgcgc gttgtgtga  
18501 ccagatggg atcgccgtg ttctcttga tgccttgtt tgcgtgagc  
18551 aagaaagac gacgcggcgt gtcgcgttt acagogaata tgccttcaa  
18601 ccttgcgct caatgcgct tggatgttc ctgcgagat cgcagcagc  
18651 gagctaatg ggtcaagcg cattcgtgc ggtatgacg catthaata  
18701 agcgcaaaa gcaacagaa caaacgcgt ctgctgttcc ataatgata  
18751 ttatggatc atttttgtt cggcgcttt agagatgga catatgagc

00939964.082701

18801	agtgagagat	ggcagcggtgc	tgcgctcttg	ggatgctgac	caaaagctcaa
18802	ctgtgtggaag	gacgactgtgc	gcagggagac	ctgtgtctaga	ccatgagcgt
18901	tcggtagctgt	catgtctctgt	ttgtacaacca	tgtgtcgagaa	ggtaattgcac
18951	tcgtgttgaa	gtatcaacaac	gattgcgcgac	gcacagctgtc	ccgattgtgat
19001	ggcgccgcgcg	tgtcgttgtc	tcaagccgcgc	tcaggtgacac	cggttgttgc
19051	aggcctatac	ctctggcgccg	gcgcgcagctc	tgtgtctgaa	gaagccgcgc
19101	ctctgcagca	agcagcgcca	tcagagagat	tgttgcacac	tgtgtctgac
19201	ctctgtgtgt	gagctatgca	tgtatttttg	accacacccg	ggcgccgcaga
19202	ctgtgtgtgt	gagcgcgcgc	ctgtgtgtgt	gttcggcgagc	gcacagcgagc
19251	tgtgtgtgt	aaagccgcgc	ctgtgtgtgt	gttcggcgagc	gcacagcgagc
19301	tggtttccac	gcgcgcgcgc	ggcgcgatgt	tttgcggcga	ctcgtttcga
19351	togatgtgtc	gctcttatct	tgttctgaga	accocggctcc	caaatgtgcc
19401	cttgtctgtc	atatcaagca	tgtccacagc	aagctctgtc	atctggtgtc
19451	gcgcgcgtgt	ggagacaccc	tgcactatct	gcacgcgcgc	aaggtctatc
19501	tcagcaaatg	ggagaaagcg	atcgctctct	acagcgacaa	ctagtgtcat
19551	ttccgcacca	cccatgtctc	caagaaagac	agacacagtg	gcctgcagca
19601	gttgggcgcg	ctgttttatg	agctaacat	gcacatcatc	tgtgccaatc
19651	cccgccagcc	gacagagcgc	acatcacat	acacatgtgt	ggagctgtgc
19701	ctgtgtgtgt	gagctgtgtg	gagctgtgtg	gagctgtgtg	gagctgtgtg
19751	tttgttgtct	gacgtgtgtc	ccagctgtgt	acaaatgtgt	atgtgtgtgt
19801	gcgtgatcat	gacgctgtgt	agttcctgtt	gcgcgcgtgt	ggtgaaacgt
19851	cgattgtcat	agccgtgagc	ctgtgtgtac	ttctccgcgt	gtgtgacatc
19901	gcgcctcgt	cacgctctgt	tacggctgtc	tcaaacacata	ggttgctggc
19951	acagacatga	ctctctctgt	ctgtaaaggt	ttctgcgcgc	agttgcgatc
20001	cccgagctgt	gtgacacgac	cggcgtgcgt	cggctgttgtc	ggtgcctcca
20051	gcagctcgtt	tatcaaacgc	agacactgtg	cggctgttgtc	gtgtctaac
20101	gacatagccg	ggagctctgg	ccagccagcg	ctctgtgtgc	gcgcgcgcgc
20151	gcgtgtgtgt	ggagagagcg	ctgtgtgtgt	ctgtgtgtgt	gtgtgtgtgt
20201	cgatggaaac	ggagagagcg	ctgtgtgtgt	ctgtgtgtgt	gtgtgtgtgt
20251	tgttccaga	tgcgcgggaa	atctggcgttc	agccgcctga	tgcctgtctg
20301	cgctgtcgtc	tcacagcagc	agttgctgcg	ctcgttgtct	cgctgtgtgt
20351	gcgctgtgag	tgtcgtcagc	tctgcgcagc	gtgcgcctca	ctgtgtgtcc
20401	agcgtcgtgt	cgacacacgc	gttgtccctc	gtgaacttca	ggtgagcgtc
20451	goggcgccag	tcagctccat	agccgcgcgc	tgtcacgtgc	gtgcgcgcgc
20501	gcgcgcgcgc	ctgtctccac	cgctgggtga	ttctcctgtc	caaggcagca
20551	ggcaatgcac	ttgtgcgcgc	cgccattacc	tcacagcagta	ggcgctgtcc
20601	gtctgcgcgc	ggcctgtgtg	cgccattacc	tgtgcgtgtc	tgtgcgtgtc
20651	agcgtcgtgt	aatgagccgc	catctgcgtc	ccgcagcgcc	ccgcagcgag
20701	ccgtccctgc	aacagcgccg	tgcctgtcgc	gggactgcgt	ccacgcagtc
20801	cattgtgaaa	accggtagtc	ttctgtccca	ggggtgcgtc	atgtcgtctg
20851	tcgtgtgaaa	acggaaatga	tcctgtctgg	gtctggggaa	tcagtactgt
20901	ccagcttgat	ctctgcacac	gcagttgcag	ggggttcaga	tgtgcatgtt
20951	agcgctgtgc	ctgtcttcca	taggcgaagc	cgccgcacata	gcgcgggttc
21001	gtcagatcat	ggagcgcgcg	ggatctgtgt	atctcgttcc	acaggaagtc
21051	ccgcgcgcgc	ttgcgcgcgc	ggatctgtgt	cggaagagtc	cggaagagtc
21101	ccgcgcgcgc	ttgcgcgcgc	ggatctgtgt	cggaagagtc	cggaagagtc
21151	tcacacagga	gcagccacgt	gtccctccac	gtatcgtgtc	gattgcagac
21201	gacacccgcg	tcaaggggtg	gtccacaccc	gtgtgtgcgc	ggcatctgtc
21251	gtctgcgcgc	gcgcgcctgc	tgtagatctg	cgcttctcag	cgcgactcat
21301	aggtatgtca	ttgtgcgcct	gtctatctgc	cccttcagac	cgagcagcat
21351	ggcgtctgtg	aaatagggcc	gattcatctc	gcgcctctgc	tcatgtatga
21401	corgtgcgtc	caagggcgcc	gactaaagca	gacgtgtcca	ctgtggcatc
21451	tgtcgtgtca	gggggcagac	ttccagccgc	agccagatcc	ctgtgtgtcc
21501	ggcgccgcgc	gctctcagca	gtgtctgtca	cgccagtcgc	ggcgccgcgc
21551	ggcgccgcgc	gctctcagca	gtgtctgtca	cgccagtcgc	ggcgccgcgc
21601	ggcgccgcgc	gctctcagca	gtgtctgtca	cgccagtcgc	ggcgccgcgc
21651	gctctcagca	gtgtctgtca	cgccagtcgc	ggcgccgcgc	ggcgccgcgc
21701	ggcgccgcgc	gtgtctgtca	cgccagtcgc	ggcgccgcgc	ggcgccgcgc
21751	gtgagatcat	ttctccgcgc	tcctctgtgc	cagcacactt	ttggcgagca
21801	tgtcagcgc	ctgtgcgtat	tgcactgcgc	cgagacacgt	aggcctgtat
21851	tcacagcgcc	gatcgtctgg	cgggggagca	tgcgcagtc	gcacccgcgc
21901	cccttccaca	aggccgtgtg	aaagctatgc	gccactgtgc	ttggcgaggg
21951	ctctccgcga	aggagcgagc</			



22601 ttatctgcgtg gagcgcccggt atgattcggc ataattagat ttacataatc  
 22651 ggcataaatt gcctgcacgc catttcggcg ccatggctgc gctcatttgc  
 22701 ctgcataaat gcggctaggg ttgcacgac atctggagcg acgaacgcgc  
 22751 tacggcgccg gatctgaatg aaacatctgg gtgcagcgac gtccctccat  
 22801 gagcgaagca gggagcgaa ggcgcacatc ggctgtaga acatgacggc  
 22851 atcctgcgcc cagtctctgt tgcgtgtcga caacacgaag cgtcgccgcg  
 22901 gccacggatg gaacgggtgc gtgacctcga actctatag cacttgatgt  
 22951 tcaagtacga ctgcagtcct ggaacttgaa gaagggggcg gtccgagcgc  
 23001 ccaacacgac gtgcagggat cggctgtctc aggaactgcg gctgcggcgc  
 23051 atcgacacga tcgcggggcg caatgcctat gcgcgggaat tcatggcgca  
 23101 ctccaatctg cggtttgcga agggcgccgg caatccgaag gacatgcac  
 23151 ggccgtttgc cgcgcacgag aaacctcgat gcgcactgt gcgcagagag  
 23201 atccgcaagc tgtcgcagtc gctgaagctg cgtcatgaca aggtgatgtt  
 23251 catctctgat cgcacgcgac tcgcacggcg gctgcggcgc aagaaggtca  
 23301 ttgtctgcga ctatcccgac ggtcgccctg aggtcaccca tggggggcga  
 23351 tccctgcctc acaggacact cgacacgctg cgtcgggtgc accgtgcga  
 23401 ggtggttgag aacaagcgct ttgatgacat gctggcgctg gtccgcgaga  
 23451 tgcaggcccg acgagagcaa cagcgacga agggcgggcg cggcgccacc  
 23501 ggccagcgcg accatattgt cggcattcgc gacggcgagc agagcaatgc  
 23551 ctatcaaaag cgcgcaccca agccctgcga ccccttgcca gtgaaagcg  
 23601 atccggtgtg catcgagaca cggcagagag ccccttgcca gtgaaagcg  
 23651 gcaggtgat cgggtgtcca aagctgaggt ttactttcgc gctggagaca  
 23701 tcgcgcggcg accggcctgc gcaacdtcga ccagctccac cggcgcgcg  
 23751 gctcgcctct gcgtactttg taatatatct aacttgcaaa cgcagtacta  
 23801 aggaatagga tgattgtcgg ttcttaagtt gattactttg tctactcttt  
 23851 aaatagctgt gacatttttt gtacgcgcaa agttaaggtg tccgttctct  
 23901 gcaaaagtaa aatgtcaact tcgccgggtt ttgatggcgt ggagattgc  
 23951 ggatgggatt gattgcgatg agcagcgcg accctgcagc gattgaggtt  
 24001 ttgtcgaagg tgattgcagg cgcgatgag atgtgttcgg cggcgcatgt  
 24051 cctggggctc agcagcgccg aggtgcgttg gctcgtgaga cggcgcatgt  
 24101 ctgggggttc ggcgtcgagc cgcacaaagg cgtcgttcgc cccatcgaac  
 24151 aatcggtttt cactcgagct gcgcgattat gccatggcga tctctgcgca  
 24201 gctcattgag gatttcgctc cgcgcgtggc ggctggaagc ctacggggag  
 24251 ttgatggcct gcgctgtcgc cgcgagacct tgcgccaatg gatggcgac  
 24301 gccggtctgt ggctgtcggc caagcagcgg cggagctttc atcagccggc  
 24351 gttgcggcgc gaggcctatg gcgaactcgt gcagatcgac ggttccgagc  
 24401 atcgtcgtgt cgaggatcgc ggtgacctct gttcattgct ggtgttcact  
 24451 gatgacgca ccggcaagct gatgcagttg cgtttcgtac ggtggaag  
 24501 cgcgtttatc tatttcgagg cgtcgagctc ctactctgag gccacatgta  
 24551 ctccgttcgc ctttctatcc gcgaagcatt cggttctcag ggtggcgat  
 24601 aaggcgccca aggggggcca ggcctctcag cggttctcag ggtggcgat  
 24651 cggatgcgca atcgagatc ttctgcgcaa ctcgagccaa gccaaaggtc  
 24701 gactgcagcg gatgaacggc aagctacagg accggttgat ggttctgctg  
 24751 cgcctggagg gcatctgcgg catggagcac ggcaagcgtt tccgtccctg  
 24801 gttcatggag cgcataaacc ggcaattcgc cattacctct gcgcgctcgt  
 24851 atgatctgca tcggcgcgtg aaaccttgcc cggatcggtt gcgcgagctc  
 24901 ctgtgcacaa gtgagcagcg ttatgtcggg gcgcagctga cgttttctg  
 24951 cgagcgccag cggatcatgc tcgagggcaa cgaagtgcg cggcgactgg  
 25001 tcggtcgcta tgttcgaacc cgtcctctat ccgacggcgg gctcgtatgt  
 25051 cgttgggaag ggcattccct gccctacccg gttgttcgca aggcctagcg  
 25101 ggtgacgatc cggcgagatc tcgagaacaa cgcgtttccc ccatgtcgtg  
 25151 cctacatcaa gggagccgag cgcgcggcgc ggtcgcagcg cggcgcaagc  
 25201 aacgcggcga agcagcgctc cagcgcggcg ggtcgcagcg cggcgcaagc  
 25251 gacggatttc atgacgctc cgttggtcat cgcgcggcgc ggtcgcagcg  
 25301 tctccatctc tgatgcggcg gaatgatcca ttgatctggc gtccaaggtg  
 25351 aaagcgcgata ggtgcacctc accgcgcccg atctcaact gccaacccga  
 25401 ccagccggctc agatcggggc tggctgcgc gccggggcgc agtccaaggt  
 25451 gatatttcta ctttgcgcca cagcgggacg ttcaacctgg ccgcacctt  
 25501 ttttgagtga tttgagtga gccagagagg cgaacatccc ccatcagccc  
 25551 tgagccggag ccttttctgt cctggttccc accgatctcc acccatctc  
 25601 caacgtttcc ggtcggcggt cctaaagtcc gttcgttcaac acccatctc  
 25651 cggcgttttg taatcgccca ctggaatcca gttcgttcaac acccatctc  
 25701 ggtcagccaa agccgcagag ccaagacctc attgaatcat tatccggcgg  
 25751 cgcgaacac tcctcgtatc tcggaacctc tctgaatgat tctgttcgca  
 25801 gctcgtcggg ggttcgcga agttcaacg atacaataca atactaacat  
 25851 cgattgtgag cgggttatct tggcgagaga gttgttatto ttggcgttcg  
 25901 caattgtgat tgcgcacagc cggcgcgcca aggcgatcga catgaaagc  
 25951 ctgctgggac acacactcgc cattgaggcg gagtacccgt aaocgacctt  
 26001 gaaagtctat gatcgcgaat tgcacgcgca cgccttctc cttctgcagc  
 26051 gctcgttcat tgtggaagcg gttccagcgc tgatoggcag cagctcgcat  
 26101 gggggcaagc cctgcggcgc caaccttttc gttcgtttctg gttcgtttctg  
 26151 tgcagcggcc cgttttcgat gacccgatcgc agccgtttctg gttcgtttctg  
 26201 acagagcttc cgcagcagca atctattct acccaataaa catcccgcca  
 26251 cggcgcgcca atctattct atggaagcgt cgcgcgcca gtaaggaatt  
 26301 agcgtcgcga gcatgtttcc cgcgcagcaa atcgggtttg cagcgctcga  
 26351 gggaaagctc gtttgagcat cttccagag cccctaagaa cgtcgtatc

0022701 1966660

26401 ggggcaacaa tcaagtcgct gctgggagct gatttogaa gctttcaggg  
 26451 aatctcaac ggaacgggca gggcgagagc taagagcgac gactatctgc  
 26501 gtgagacgtg caagcccaac atgtgcagag aacagcaagc gttgctcttc  
 26551 ctgtctgcga aggatctcgc cgcctatgcc gcttggaagc cgcacccaaa  
 26601 gaaaatcatt gttcaacccac ctgtgaagca gttgcgcgag aaagcaaaaac  
 26651 aggaattgag agcatgggca gaaacgtgga agtaacacgc ctagcggggg  
 26701 tgatctccat acaatagtcg cccagaaaac ggtgacttac ttaaatagtc  
 26751 cctaaagccc accagatcgc ccaggttggt tctgggggga atagtcata  
 26801 atgcagtagt catcgccgat ttgcaaaaaa atgcagacat tctgatttgc  
 26851 gctatccccc caactatcaa ttgattgcac tgggcttctt gaactctttg  
 26901 gggggccata ggtgtttgaa agtttgcgcg tcagcagagg gcaatctgtt  
 26951 cgggcaacaa atttcaatct caagcagggc agaccgcagt tctgggcaaa  
 27001 aacgatcgcg gcttgaattc tgacttggcc ggcagagatc tcccgctcaa  
 27051 gcaagtgctg cagcgcctgt tcccttttaa acggttcggg ttttttggc  
 27101 ttggtgattg aggcgtcctc agggcgactt tgaagccttc cttttggcgt  
 27151 atgcccacat tgggtatact ccaatccgcg catgcattgt tgcacgcgt  
 27201 agccatcaac atgagcatcc ctaaacccgc tgcattggac accttcaatt  
 27251 cttgcccccc agagcgcaaa cagacacatt tcattggcaa ggaatagct  
 27301 tggcgcactc cgcattcttc ggcacatagc gacgaggacc acgctactg  
 27351 agottaaata tgcagggaga gtgcttata ggcgatttcc tcattcgag  
 27401 gccactccgt cgcacatccg gtcgagcttg cgaagcttag cgggtctgac  
 27451 agdtaataa gggcgtgcac cagcagcgcg cgcgcggggc cagttttgaa  
 27501 agtagacctc gccaccttgc gggcgtggaat taagctatcc gcttgctgc  
 27551 gccatggcgg gcttgaattc taacagagat gcgaagagct gacggcgct  
 27601 ggtgaacaaa cactcttcca tctggtttct cctggtaacg agcgccggcg  
 27651 aaaggtcggg gtgacaagtc tttgcgttgt ccggtacagg attatacaaa  
 27701 ctgcgaactgc cgttatatto ggcacagatg cttagccgcg taggttagc  
 27751 cttacggggg tcaacggagg tgcagagctg gggcagttgg tcaactgagcc  
 27801 tcagacggag cagccctcac tgcgaggctg tgatgcgcg accggtatat  
 27851 ttttgtcac tgcgtgagt cgggcgcgcg gaactccgct cgcgcgggtg  
 27901 gcgggctgtg gccaaagcgc atactacaca attggaatg aacgcgggac  
 27951 gccactgctg cgtttctgtg atttaccacg cactcaatgc ttaagcagct  
 28001 tttccgggtg cccagcggag aagtcgggag gtcggcttcc gaattgtgcg  
 28051 tggggacaga tccgccttgc cgttcggttg atgactggtc gcttccggg  
 28101 tctgtccctc tcccgcaaac agtcgttctg agctcgtcgg aaaggttgca  
 28151 tcaaaccccc atgacaatcc cagtgggcgt tccgggaag cgcattgcca  
 28201 ttgctcagga tctcgggacc gttggtttag accaagcgaa tatgcgcgc  
 28251 atcgacttca gcaagcagcg cgcggttaat cagctttagt cctgctgatg  
 28301 cgcctcgtct gtgcgtatgt ttgaggacaa ggcagagggaa aagacgattg  
 28351 cgaacgattc gagaagtgag ttaggcggaca cgtacagctg cctgctcaaa  
 28401 aacgaaggat gactgcagtg cgtccgcaat tccgggtgac aaatgcagga  
 28451 tttctggctc gcgcacctgc cgtgcgtttt acgtatgaag cgcgaatgt  
 28501 tggagagggg gcatgcacta tgcgtccgca aggaaggtcgg tgcgttccac  
 28551 ggcaccggga cttactcgtg gtcgcctcgc gatagcgctg gggggcgga  
 28601 tcaagctaa g tccggcgac attcttgctg tctggaaaa gctctactg  
 28651 ctgctcgcgc tctctgtcgt cgggcgcctc actggcatac tggttgagca  
 28701 ggcctctgca aggatgogaa ggcagagatg cgcgcgagga accgctcgcg  
 28751 ctggggaaaa cagcgtctcg cgcagaaatgc cgtctagggg ccatggggct  
 28801 ccaacaagct tccggaatca ccgaaacgac cgcagcgtac cgaacagctc  
 28851 cggattgcta tgaactccac cttcagcagt cagcgcctcc tcaacaggac  
 28901 cgaacgcggg gttatcaagg aattctatgc cctgggtatt ggttgcaatc  
 28951 cggcttgcca gttgatggcc caagtctcgt taggcgcaat cctccgcgcg  
 29001 aaagcgcggg accgctacag ctcgataaac gccaaagggg tgcactcctc  
 29051 gctggtggac ggcgaactgc gcccttcgca tgcgtctgta tctcagcgct  
 29101 ggcgcacaca ctaggttgcg gcagccggcg cagtcgtgta taagaagggc  
 29151 gctgcaggtt cgcggagagt cggctattac gaactcgtg cggcccgacg  
 29201 cactccgtct gactccagac gattggtgca gaactcgtg gagaagcgtg  
 29251 aacttcaatb atgcgctcgc gactgcgggg gggctcggcc ggggtctgtg  
 29301 ggcctcagaa ggcgtctgcc cctgcagaca actcagacgc cgcagcggcg  
 29351 gaatagtcgc cagcccccgt accacattgc atactgggtg gatgctctct  
 29401 tcaaggttgg ggttttcaa tatgttcaga ctaactgggg cgtactcgt  
 29451 tttcagggga ctgcttggc cggtaagtc cgtactctct cagactgggg  
 29501 gtgcgcgatg gtttgctgct gcaagtaagc gagatctcga caagccactt  
 29551 ggcctcggga acccttaccg gcatcgtttt gatgcgcttc gctggggga  
 29601 ggcctcgaac gttggttcgc agtgatgc agtgatgc agtgatgc  
 29651 ggcgcagcgc ctaggcgcgc gagaattgt ggggtgctg cgggttccgc  
 29701 cctgacttgt tcttagcaa tgggcaaac ttgagacga cgggttggga  
 29751 gcgcgcgaaa ggtcggccca tcccaacgtg gtcgtataaa gttggccgag  
 29801 caactagtct tcaagctgga gggctcagc ttgaagtgct tcatcttgc  
 29851 gagggcaata ctcggtatcc gtctatcag cttgcagggg ccggaagctc  
 29901 gctcataaag gaagttctga aggggtccga gctcttccgg gaaacatga  
 29951 atcgtgaagt gggcgtcgtt tggctcgacc cgcgggttgc cgaacccag  
 30001 atcatctttt catctactgt gaatggagca cattgttgc cagttctaa  
 30051 aatactaca aaggtcggca cgggtcgagc aagtatgaa ggcctcagc  
 30101 tctagtgggg tgggttcaga cttcagagc cgcagggga tggcagcgt  
 30151 gaattgctca gcttcgcaaa ttccttctct taacggtttg cctcttaact

00930964.082704

```

30201 cttctcatca gctcogttgg taatatcgaa actcagatga gatcgtttga
30251 ttgacatgag ctgggaattct gocttcogaa gctactatag tocgagagctc
30301 ttctggatggg agtcaacgggc aaaactcgaa ccagagatct ggcgaagaa
30351 oggtttctct agcgttttggc tggcatcgaa atcagtgctg ggcgaatcag
30401 accaagcctg gacgttggtc ttggaaattc agcatogtgc aagcgaatg
30451 cccctgacgc tatgtgatgc toctctgaa gagggtgtgt gccacaggga
30501 agccactcgc gagggtgagt toccggagag gctcggcgat caocttggcc
30551 gcaatcgata ctgpggttcc caagtcggga aaactcgaga aaactcaag
30601 cccactgagc agcgttcacc cgcgtatag acatcaacgc ctgcggcacc
30651 tgcgaagggc gcgcgtccca gtcgaggaac aggtcttctc atctcaaac
30701 aaggccaact tgtcaacaaat caocatgtga tcaagggttg ccagccatcc
30751 gaagtgcgcc gccccggcca gtttggagctt ccggcaataa ttgtggcagt
30801 ggcacccacc aatgatctag ctctactacg tctggaaagc gatacggggt
30851 catcgcacgc tgtccgggta gaacacgggc tggggcagtc agtcgcgtta
30901 ttctggtctc cgttttctca tgtcttgccc agcggaggca acttcaactc
30951 cggcaatggt accggcgttg ctggccttgg caacgatacg cgtttcatcc
31001 agatatctgc toccgtccaa cgggttaata gtcggggccc gctaatgtat
31051 agttatggca atgtctatgg cgttctgaag cogaagctgc agcactggc
31101 tgcacttctg gtaacagggc acatccccc gatgttaaat ttgcgcctac
31151 ggcgttaag cgtgtatgct ttctgtctct cctacgggatc ctgcgcctgc
31201 gctgggtgga atacacaaa actggacgag ccggaactgc ctgaacgtgc
31251 ttctgtcttc agtgtggcag tcaactgtga atgacttggc accggtgcgc
31301 tggcgaactg ttaactgacg ctctctcgca catggccact accactgcaa
31351 cgtgcaagtc ggcgcatacc togaactgga gctcttgatg ggcagtaaac
31401 ctgagacttc gtcatttoga cgtctggcgc agttgaatgg atcgaagcc
31451 ggggcaccaa gctgtaaaaa cttaagtcac tocgctgctg agatttttct
31501 caaaaattgg cttaacggag atcttacctc gttacttccc accactgtga
31551 tctgtgcacc gccctcacgc tggcgaaagt gacgaacctg accgagatgc
31601 ccatattctc gttggaggtg cccatagggc atgacggaga aaaaactggt
31651 ttccacggga cgcgttaaga cgcgttaaga ccttactaaa ggcattgccc
31701 gcaaatggga accgctcttt gagaaaaaag cggcgccgccc cgcacdcga
31751 ggcggcgtgc ttctgtcgtt atccgaaggt gtcacggcgc ccaagcaaac
31801 gggcggcacc gttcgtgtga cctatgtcat tocatgggag gacgaagagc
31851 cggaaatcga gatcgaaagc atcgccctcc agaaggagcc gctggcacc
31901 gccctcgggc ccgcgaagca cgcggggccc gagcgtgtgc cgcagatccct
31951 caagggaacc gagatgttgt ctgcggagca gttcgcgcaa gagatcggtt
32001 ccacgcggga gacggtgaac agaaagcgta agcgtcacga aattctggg
32051 ctgcgaaggag caaagcgagg cgtgcgcttt ccgaaatggc aaatcgcgga
32101 tgatggtcaa ctgctggggg gtcctcgocga acgctctgaa gctttcgga
32151 ggcactcttg ggcgtttctg cgtttcgaa gttccgaagc gcttagcttc
32201 gctggttcga caagtcttga gatgtgcgg aagggcatga tccagactgc
32251 agttggagca cgcgcgtcca tggcgagagg tgattttctc tgcactcttc
32301 gctgaatttg ctgcgcgggc ccgaacttgc ctgcgctgag ctgtgacc
32351 aaaaattgac ttgcgaagcc ccgttggtacc ggcctacca aagcgggtat
32401 cccaaacctc ttggttaagg cttaggatca agccgcttca ggtatccga
32451 agtgacctg tctgggggtt tggccaagt ccggcaagga tcttcggtaa
32501 tctcgggaca cagttttcag taattccggg acagcgattc cgtcaaatcc
32551 ccgacagttt ccggcgcggg tttagcgggt tgggttcggg ctgcgcgttc
32601 ttgtttggtta ggcctctcac gacaacgttg agaggggccc atgcgagac
32651 ggcgaagcag agacgagccg acagtgaggg atatccggac tattctggc
32701 ctgcgcgatg agctcgttat ccgaactatt gctgcgatct cggcgagccg
32751 gatcggcag agctcgttat ccgaactatt gctgcgatct cggcgagccg
32801 ggcctttctg gcggttgcca atcggcgagg acagggatgc aaagctggag
32851 cggcgctggt tggcgcgagg ccgttcgacg ccgcgcgcat tccagcgagc
32901 ggcactgggg ctgggtgttc gggagctgaa ggcgaaggc gtcagcgtga
32951 cgtctctatg ccaggaatac cgcgcgcagc atctctgaty ttacgggttc
33001 aactggttct gcgagcaggt tgcgcctttc cggcgagcga ccagtgtagc
33051 gttccgcaat; cggcgagggg cggcgcgccg gatgcagacc gactatgcgc
33101 ggcgcagcgt cgcgggtgato gatccggcca ccggtgtcat cactcgggct
33151 caaatctttc tgcgggtgct ggcgcgctcc aaactgacat togcgcagtc
33201 cagcttttag cagcaggttc cggatggagt cggcggttag cgtcgtgctc
33251 tgacacttca tgggtgggttc accaaggcaa tctgttgga caactcaaa
33301 tccggggttg ccaagccctt ttggttcgag ccgacattga ctgcgagctt
33351 cgcgcgcata cgggagcatt acgaacaccg gatcctgcgc acccgagaa
33401 ggcgaacggc cgcgaaggcc cgggttcgaa ggcgggtatt gatcgtgaa
33451 cgttggtatc tggcccggtt caggaaacgt aacttttctc cgtttgcgc
33501 cctcaacag cgcattgcgc aattgctga ggaactgaac aaacgggaga
33551 tgcgcactgt cgcgaagag cgcgcgcgac tgttcggaga gatgcaggg
33601 ccagccttga agccttgccc gcgataacg ttccgaattg cgttcgga
33651 gtcgggagag ggcactcggc actatactg ccaggtcgac cgttcggttc
33701 actcgttccc cgcgggttgc atggatgaa cctctcaggt cgcggttccc
33751 caacgggttg tctgactgtt ccacgacacc cagcgttgct ccagcactgt
33801 tgcgcgtccc cgcgttccc ggcacgttcc cgtcaagac catatgcaca
33851 aggcgatca cgcgtatgccc aacacccagc cggccaactc gatcgggct
33901 ggcacccaga tggcccccaa tggcgcacgc ctggtcgaac gcatgatgc
33951 cgcagggcgc catcgggaac aggtatacgc ctgcggctat ggcattctgt

```

0993964-082701

34001 cgcctggggcgc gcgcctatgga tccccagggccc tggagggggc cctgtgagggg  
 34051 gcgcctccacca ttaattggccaa caccctatccc tccgtggcct ccactccaaa  
 34101 atccgggcctc gcgcgggaaa gaccgcagggc tggacaagggc gcccccacgc  
 34151 ctgcgcctacc caataatccgt ggcgcgtctct actaccaggc aaggagaacaa  
 34201 gaattgctgac gaacccaccc ctgcaccaga tgcaggccct cgggtgtagc  
 34251 ggcctggggcgc cgcgcctgggc cgaatttgacc ggcgcagtcgc gcaaccaatga  
 34301 gctccagcgcgc gatgagtggc tgggactgat gctgcagcgc gaagtccccc  
 34351 tggcggcgcga caagcgccatc cgttaadggc tggcctccgc caagctacgc  
 34401 tttgcgcaggc cctgtatcga agatatcgac ttgcgcgcgc cccgcggttc  
 34451 cgaacgggggc sacacccatg cgtctgcgcc gggggcaatgg ctcacggccc  
 34501 acgaggggctc gatccatccc ggcacacacg gcacccggcaa gtcattggctc  
 34551 gcctctggcctc tgggcaggca agggggcagg ctgcgttcact cgcgtgccta  
 34601 tgtgcgcctgc ccccgatgct gcgagggagc ctcgggtgct cgcgtgcagc  
 34651 gctcctctccc cgcgcctccc gcacggatgc cccgcgtcca gctccatcc  
 34701 ctgcgtgactc ttgggaaccca taagctctcc gatccagcgc gttttccact  
 34751 cttcgaaatc gtcggaggag gttatccagc aaagtccacc ctgataccct  
 34801 ctcagggtccc cgtggcagcg tggcagcgacc ttattgcgca cagcacggctc  
 34851 gcgcagcgcca tactcgagcg tatctgccac aatgctcacc gcatccact  
 34901 cggggggcgag agcatcgcaa agcaaaaaag cgcacccctc ttgactgggg  
 34951 cagaaaaagcg cgaataccat cagccctgat gctaaacagg ctgcgcgggc  
 35001 ccaaccgcctc caaacctgcc ggaacttaat gaattgctg tccgggattc  
 35051 aggggaatcca atgtccagtt ttggcggaag gcgcgaattgc cgggcagcttc  
 35101 gcgctccccc agatctcagc cagggccgat ttgtgggggc atggaaacgc  
 35151 cgttggcgggc atgtgcgctc tggcgagatc gggggacaa ttggcgagcg  
 35201 ggaagatcag tgcagggtccc aggaattgtg cgggcacagt gcccaacgct  
 35251 acaggggcgct ttgacgcgcg gcgcctctgt ccttcacaaa gtcgcgagc  
 35301 aatcactcgg cttaacagag aattcggttg caggattttt gtcactccgc  
 35351 tggcgacaaa gaagcgcgct ttgcagcggt gcgaagtcgg gacttggggc  
 35401 gcgagcgtcg agaaactcgc cgcgagcgcg aatgtgtcca ttactgtgtc  
 35451 cgcctggaaac cggggggccc gcgcgggtga cgcgctggag caaggcgctc  
 35501 ccgagtatccc ggaactccct ctgcaggcaa ataatgcctc gctgagcgt  
 35551 gcggggccca tgaatgtaat caggtcggctc tggattggcg agggagacgg  
 35601 tctcgcagccc gatattgggc gcgatgtgtg ggtccgcggc ataaacgggc  
 35651 cgaagcagccc tctcgggctc tggcgagatc aggttgatct tggcgctcgc  
 35701 acacaaacgc atctgtcga cgttgtgtgt aggttgatct tggcgctcgc  
 35751 cgtgcgcgcg ctctcagggc gcgagagatg gcgcagcgtc gcgggttctc  
 35801 ccttcaccca caactatccc aacgctcttt tccagggctg gtcgcgcaca  
 35851 tctcactcgg cgcacagcgt cgggttcagc gcgctcaaa ttctcgtc  
 35901 ctttctcggc gcttcagcga acttgtgttg tgcacttttg atcaattctc  
 35951 cagaggtccc gcagcaggca agcagagccc ttccagatct ggcgaagcgg  
 36001 gcggtgcgctt cggtttgccc ccaaggtctc atcgaacttg aggcgcgggc  
 36051 tttttctgat gatgcgcgtg tgcacttgta taagggaagac gaagtccgc  
 36101 tgcatacttt cgtctctcat cgcctcccaa ccccctgggt ctttcagpaa  
 36151 ggaacacccc agcgcccaat tgcgtcaagc ctgcgtatg accctccggt  
 36201 cgcgcatacc cggaaacgact atgtgggctc cgggatgagc ttctgcgtg  
 36251 tgcgcggggt cggagccatct ttcattcttg agcactatg caagagagct  
 36301 gaggttgaa gcccctccc cgaaatggag aacgcgttta actcgaagct  
 36351 cgaagcctgga cgaagggtaa gagagaagc ctcagtgcaa cgcgcagaga  
 36401 tcaagttcaa gcgcggaaac gacaaatag gcgacagcta ctaactcgtc  
 36451 gtgcgctcgc agagtgtgtg ggcagcccat gtggatcggc aacggtttgc  
 36501 ggttgtcgtc gagctgcttc agaaggctga agtcgggta tacgaacgc  
 36551 tgcgtcagc cgttcggcca taccaagaaca ttgaaacagc tagactctta  
 36601 tggggccctc tccaccagta tgcaccagca agtatcgaaa gtcacaaatg  
 36651 tcaactctata caattcaacc gctctgcgcg tgcgcagatg tgcagagtg  
 36701 ccaagggcgc agccctcgagc atgtatggcc gcgacaaaga gttcgcggg  
 36751 gcgactcga agatgtcga cccgcagcga actgatctgc ggcagcgcgt  
 36801 cgcgaagcgc agcacagctc agtcaatcca ggtgttttt cgtgccctcc  
 36851 agcctttctc agaaatgtac cgtgaaatcc taagggtttt cacaacagc  
 36901 ggcgcacaaat cggggcgga ccaattgggc attgggatta gcgaaaagca  
 36951 cttcagagctg tctgactttg agaatcttgt gggatgtgg gcagggttc  
 37001 cgggtgaaat cgtatgttgc gatttgggac atgaagactt tgggattgtt  
 37051 tggcttgctc gggaaagcta tccgcaacta ggaacgcctg ccaactagc  
 37101 ggcgcagaaa cctgcgcagc tgggacttgc cgcagctgta cggaggtg  
 37151 tgcactcgc atctgggcaa atcaacccc tccactatc gctgatatca  
 37201 gaaacacagc accgaatttt ccgagaattg cgcgcactg tgcacagct  
 37251 tcaatgggga ttggtggcgt ttgctcagaa ccgagctgtg ttgcggtgc  
 37301 aattcgattg gcgaacgttg aagggcagtg atgcttttt agtcaaccaa  
 37351 cttgcctctcc tgcatacggc caactggctg ggcagagctg tgcagggct  
 37401 ggcgctggcca aaggggatgc cccctgaaa cagaagcaga atgcgcgg  
 37451 ttctccaaaa tgcgttcgag ggtctgcdea ctgcgaagct gaagcgaga  
 37501 gtcctcctga acgatctcga cgggtttttg tcaatgcggc ttggcgaga  
 37551 gcgcgcagcc atccatgggc ttgtgggtatt cacaagatta gctgcggcgc  
 37601 agaatgagca cgcactggag ataatccagc accaggttag gactgcgc  
 37651 gagtccgggc agtctgcact tgcatactgc agctcggcgc ggcacacat  
 37701 gataatata accgagctgc gctctccaat tgcacatcca ctgcgcgtg  
 37751 gtcgaacccc caattgtcac cagagtttgc gacttgggac

09339964-082701

```

37801  gggggcggagc gctgogctct ggtggtcgag gtgaagcact ataaacgcac
37851  cggcgaagagc tggtttttgg aagctatgac cgcctatgcy gctgctcact
37901  cgaatgcgcg cgtgtgtctg gtcacatcag gcgcctatgc cgcctatgcg
37951  gactgcctacc cgtcagcgcg caagagctcgt tgcgcacatg tgcagacact
38001  gactgcctacc aacccggacg ccagggagga atttcagac ttggttcgaa
38051  aggtgattggc atggccagtg cggggcggcg ccagagatgc aggggacac
38101  cggggcgaata gtgctgtcgc ggtgatgctc tggcttcca tggctccagt
38151  cctgagcgat cctcagatca gctccggcgt ggcgcgagtt ggggtggcgc
38201  cgcacgcctc tgaatatctt cccatcgatc cagctgtcca cccgcgaatt
38251  tcggtcgagc aggcagatga cgggctgctg agcatccaa ggcacataaa
38301  cggcttgaaa gctccggtta ctgagctgct tgggacttat gcgagatga
38351  tcggtttggc ggtatgggat gggcttaaac atttcagagc attagatgc
38401  ggcagggagc gattttgcgc agctagctct tccggatgca ctgcacagc
38451  cgtgagtgcc agtgatgagc ccgcgaacgc agctacacg attagactc
38501  ccatccacgc attgcctcgc gcggaatgc cgggggcgat gtttgaatt
38551  ttccctgcgc gagccgaag atggctcaat gactgactgc taaaagccgc
38601  agcttatgca tctctgcgac aacggccaga gccgggttag ccgcagcgac
38651  agcatccaaa atggggcgga tatccgatgt cggggccctg caggcgggc
38701  cgcctgcgc ccacaccagc ctgagggcgc cgcacgggaa ggcgctgggc
38751  agctggcact tgttaagttc gagatcgtga aggtgagcc agtcatcct
38801  gaatgctgag acatatggtt gaagggcttc gacgcagctc tcaaacgcg
38851  tgcgcgcgc cgttgctaac gaataactt cctgtctcac gctatttga
38901  agtagctgct gctggcgggc ccagatgcgc tggaaatgtg ggcctatgct
38951  tgtctcaaat tttcaaggca ccgcgcgcta tgcgcggcgt agcttccga
39001  agcgtctcgc ggcctgtctg cggcgagata cccctgacca catctggtt
39101  gtcaaaagac gcaaccacgc ctggacgagc atgcgaggtc gacttgccg
39151  ccgagacatc tttttgcgc ctctcccgaa ctccctgtag aatgagatgc
39201  gcaaaagctg tttcagttac gcgaacgaag ctgttgtatt agcccaagc
39251  ccgcgctagt cgcctccctc catcattgtc cgcagcgagt aagggctcac
39301  agtggtcgag agcaatttgc ttgaaacgca tgaaaacgca tgcagagttc
39351  cggagcgcgc ctgcacgctc catttcgcgc gaatagttca tggcagatga
39401  catccgctgc aatcgttgaa agtcgcgggc gttcacgctg tccctcattt
39451  cctcttgaga gactgagctg ctccgcgacg tctccgcaag cgaacagct
39501  gtcagagtga tgaacggctc ataggtctgc acatcatccc cccatccac
39551  gtcgggtcgc cctccagcag ctgtccacgc ccgatccccc cacttcgcgc
39601  gaagcgcgc ttgaagctgc cgtgagtggt ctgctatgcy agccagggga
39651  ccgacaagag cagtagagat ctgctcatct gctctccga gacgtcgac
39701  cgtcttttga atgacacgca gccactctgc gcttgtcata tctgcacgc
39751  tgggaatgat ctctagccac gtgcgccaac gtgcacactc ggcgattca
39801  aggggtagag aacgcgcgc agcataggtc ccgacgggat cctctgcaca
39851  atattccacc cagccctctc gatcttgat gtcgctgct tcttcgagc
39901  gatcgcgat cgtgagaggt tcgcttggtt gagcgcacac aatttgctgc
39951  ggcgcgcgc ggcgggcctt gactccgagc gtcacaaatc gcaaacgct
40001  cgtctcctg atttccgcgc acagttatgt cgcgcgctca cgaattcgt
40051  gtacagaggt ttgcgctccc tgcgggagaa ctacgtgctc actgatcgct
40101  gtcaatgcga cccaatatc cgggtcacgt gcaaggtctc cgcagtcgag
40151  accgtcagcg tctcttccc ggtcgccata tcttttgga cctcgcaca
40201  gtagggcgcg aactagagct tcgacgcctc ctccgcttgc ctgagcaatg
40251  cggagcgcaa caatggcgac gaactccagc gcgagggacc agagggcgc
40301  ctggttgctg gttgcacgc cctcaatagc ctgctgggcy gtgaagagc
40351  ctgtatgtgt aagtgcgtgc cctcaaacgc ggggtgctgc gttgaagcgc
40401  tcgcgcgcgc atccgcgcgc cacccttttc gtcctcccca aattggctgc
40451  agcggccatg ggcacggcg atgtgatac tgcggtagc tacgggtgca
40501  cgcggcgtag ctgattttgc tgaatgatta caacgcgctc ggcacaac
40551  tcttaacat cgcgttaact ccgcatactc taagcatgc gcgcgctgc
40601  gagctggcaa gaagtgcct gcgaacccgc ctgcagcag ccgcagatgc
40651  tttccgcttt gcgggggggc gacgccaaaa catccgcgaa gaactctga
40701  tgcctgctct cctcgcgaaa acgagcaata tcggagagct ggtttgggtg
40751  ctcagaagga tctcatgcgc gaacggcgcc ctgcattgtc aggcgcgctg
40801  cgttgccatt gaccaaagt cccaggtcgc actccacgac cggcctgcgc
40851  ttcagcgggt gacgcagctg atagtctgc aaactgtct gtagtgccgc
40901  cgcggcgctt cggcgagca agcgcagcgc tttctcccat atgcatact
40951  gcggaaggtt ctgttaggt tcgcgaaca ccgcatggca aattgggtgc
41001  gatccctccc ccagctgctt aaagagctt aggtatctga cctgtcatc
41051  ccacactcgt ggcacatccc ggcgaagat ccaggtctgc ggcgcttgc
41101  cgaagctctg gacacacgc gcaagtgtgt cgaacatgc agcatcttg
41151  catcogttaa tgaagtctc gaagaggtgc gccctgcgc ccagcgccca
41201  tttgaggtg cgaatatgt ggtctgtagt ttggatacc ggcgcgga
41251  cgttggggc gatcatctgc cgcagcagaa catctggatt ctccagagc
41301  ttggccagcc cttcaagct tgaacctagt ggcgcgtag gattgcgc
41351  tcttgatgc aatgagagc gctccacgc cagagctgc caggggggc
41401  ccgcggcttg ggggtgcaca ttgtagagc tgaagcata tgcggctgc
41451  agatcggtaa aagctccct gtcaccttc agaacgttca ggttgtag
41501  ccgcggagca tctgtgcgc tatagccac caaacacag gtcgacac
41551  gctgaggttc gaagggag ccaggggcgc agcggctgc cagatatgc

```

009399641.002701

415601	tooccatatc	gagccgtctg	cagtcacagt	tgacttttcc	tgacaaattg
415602	ctcatctgct	gtctacgcgc	gtcggtgttg	gcacaaatcc	ggaacatctg
41701	cgctccctgg	acgggggtta	tcctgtctgc	ccgcgccttc	ctctgcctgc
41702	aaagctgtgc	aatgcgaaca	ctatgctgtg	ctgcgtgaac	gggtgtcaaa
41801	gtctgtgtgt	gtgataatgc	gtctctcaac	ctgatctcat	gatagccgtc
41802	ggatagcgtc	gtgatctgac	gtaacatgac	ttgcgggaac	ctcgacttgt
41901	ggcgccggcg	cgctctcaac	atcctctgtc	ctgcaaaagg	cgcgctgcag
42001	ggggcgctgc	atctctctca	atcgctgcgc	ctggaaagac	tggttgtctg
42002	ggggcgctgc	atctctctca	atcgctgcgc	ctggaaagac	tggttgtctg
42003	ggaaatattg	cgagtttgct	cgctgcgacc	ctbgcgaatg	cccgagctgg
42101	gcactttctc	tcggagcagt	cgctgcgacc	ctctccggcg	aaatcagpac
42102	cgaggtgtgc	aagctcatcg	gcactctgcg	aagctctctc	aagtttgata
42201	ctcgctgtgc	tcgatcgtgc	cgagctgtaa	ccaatgtgat	aaactatgat
42202	tgggagatgc	gaagcgcgat	tcggctgtcc	tgacaagacg	cccgcgagcg
42301	ggcggtgttt	ggcgctcgat	ttcttcagcc	atctggcgcg	ttctgcgtgc
42302	tgaaagcatc	aatatctgcc	ttctggcgcg	aggctagagt	agccgcgggt
42401	ctccatctgc	ctctccggag	ctctggatgc	aatgtgtgac	ccaatcatgc
42402	tggtgtgtgc	gggtgtcatc	acggcggtga	ctgctgcatt	gtctgagctg
42501	ttgggtctata	gggtgtcatc	aaacgggtta	ttctctctgc	ctctgtatgc
42502	tggtgtctata	ttgtgaactt	aaacgggtta	ttctctctgc	ctctgtatgc
42601	cgatccatcc	gtctgagtae	ctgcagcaac	tcgatcgtgat	cccgacgtga
42602	ccggaagccc	atctgttgag	ttgcgaagac	ttgatgttgt	ctctgtgtgc
42701	cccatgtatg	cgagcagcac	gtccagcaac	tcgttgttgg	catccttgtc
42702	cgctgcacgc	gtgcactatg	cgagtttgtt	tggttcggcg	cgcatatgat
42801	tatcaagctc	cgagcagcat	cgcgctctcc	aaatgtatgc	tatctgcgca
42802	tcggagatac	agggtgtgcc	ccggctaccc	gcagtatctc	ctatcgggaa
42901	gagctctatt	tcggcgagtc	tcggggagat	cccgacgcga	acgcactttg
42902	ttggtgtgac	ctctgtatga	gagctctatc	ggcgctctgc	ctgtggttat
43001	ttggtgtgac	ctctgtatga	gagctctatc	ggcgctctgc	ctgtggttat
43002	gacatagtta	tcgaagatgc	gtctcaaggc	ctgttttggt	cgggagagct
43101	tcgaatgata	ctctgtatgc	ccggtgtctc	aggggcgctt	tgccacgtgc
43102	aaacgcacac	cgctgccttc	gttcagaaat	attttgcgcg	cccgacgadc
43201	gtctgcctat	ggatcatbtt	gaaacgtatt	gttagacatc	ccgaggtatg
43202	aaacgcacgg	ccggatcgct	gtataaccgc	ccgctggggc	ccgctgtctc
43301	ttcatagata	gacacagtgc	gagatctcgc	gcgaactgtc	caacatgtgc
43302	cgctctgggg	gtcgggtaac	ctcgctgatt	gagaaagatc	ctctggcgaa
43401	ttgtgtgtgc	gtatgacatc	ccggtgtgtc	tgacaaatgt	ctccatctgc
43402	ttgtgtgtgc	gtatgacatc	ccggtgtgtc	tgacaaatgt	ctccatctgc
43501	ttgtgtgtgc	gtatgacatc	ccggtgtgtc	tgacaaatgt	ctccatctgc
43502	ttgtgtgtgc	gtatgacatc	ccggtgtgtc	tgacaaatgt	ctccatctgc
43601	ctctgcgcac	ttctctatgc	gatctcagga	agcacacaga	cccaagatgc
43602	tacgcgcgac	ttctctatgc	ggagatgtga	gttttaccag	tcgatataga
43701	gtctgcgcac	ttctctatgc	gtctgtgtgc	gttttgtcac	cccgctgtgc
43702	cgatcgatat	ccggagcagc	gatcgataat	ggctgtgatc	cgcttgtggt
43801	tgaggaattc	ccaagaagtt	cttccaatc	ggggcagttc	ccggaggtgc
43802	tgaggaattc	ccaagaagtt	cttccaatc	ggggcagttc	ccggaggtgc
43901	tgatctctgc	ggctccaagt	ccggagcagc	ggcgctctct	gacatgtgac
43902	gtagcacagg	acggggattt	cttttgctct	ttttctctct	agatgggttc
44001	ctgtaaaggt	gagcgctgcc	ttttgggtgc	cgctctctct	cccgaaagcg
44002	aaactcaagt	ccggctctat	gatattatgc	acctcaagcg	atctgtctcg
44101	aaatttcatt	ccgcgccttc	ctccatcact	ctatggcgcc	cgagagtgat
44102	gtcatccagg	ttctctgtct	cgctctatg	gtctgttga	gaacgggtac
44201	tgacccggcg	tgaaaacgtc	atccgggtat	ctctogatac	gagagtttcc
44202	tgacccggcg	tgaaaacgtc	atccgggtat	ctctogatac	gagagtttcc
44301	tgacccggcg	tgaaaacgtc	atccgggtat	ctctogatac	gagagtttcc
44302	tgacccggcg	tgaaaacgtc	atccgggtat	ctctogatac	gagagtttcc
44303	tgacccggcg	tgaaaacgtc	atccgggtat	ctctogatac	gagagtttcc
44401	ccgctgtggc	gtctgttcat	ttgttgatga	ttgttgatga	aggaacatc
44402	ggagtgcgag	aaacggcgag	attgtgtgat	ggaggtatca	ccctgaattgc
44501	agatattgac	ctttaggagaa	ttggcgagac	tcgatatgac	ctctctctgc
44502	ccctggttgc	cccaagcgaa	tcgttgtgcc	ctcgggcgct	gtttctgtga
44601	ccgctgtgag	ccgatgcgat	tgtaaatcat	gtgttgtgat	aaacccgtgc
44602	tttgtcagta	ttgtgaacac	gcctttctga	tcgtgtgatc	

45401 caagcttttgg agcaagccat agctgaact cgtcgtcgat ggttgaagcc  
 45451 ttgattatga agatcgtatc agcttttaag ggtctcgatg ggtctcgggc  
 45501 tgcocccgggt ggcgcacatca ggcagcggag cgttttggga acctccgggc  
 45551 ggcacattgc cttggcgacc ggtttgttga cgacctcttc gacgactggg  
 45601 gtgctgtgtg cccagagccc ttcatgagcc ttccaacttc caggataggc  
 45651 cttagcgcaag ccgtttgaggt cgtccggccc aaatatgtcg ccgggttcga  
 45701 ctaggcttgg tccaatgatt tccgtcagcg ttgccttgtt tgcgggggtt  
 45751 agcggtacgg acgtcgtcag aatgtatcgt tgcggggcca gttcgtcgat  
 45801 tgaacaacgt tctctctgca tcttcgactt gagtttcgag aagccagatc  
 45851 gggatagagt cttggccctgg aggatgatcg aacctcggc tttgggttgg  
 45901 cgtccctcca taccgtcatc ttgcgccaaag gtgaacgctt cgaatcgacc  
 45951 tccggtttcg ggcgcacaaa gatcgctcgt caggtctcgt aagctatccg  
 46001 gagaagtggt tgaagaatca taactcattt gtcggatgat ggttcggcgc  
 46051 aatactaggg gtcaagccat caatagatgt ctctccggtt gtagtccggt  
 46101 taaccaaacac tctgatcgcg tgaagcgctg gactcgactc ccgtttcgcc  
 46151 agagtccgcc tccgctgagc cccctcgtga accgaatacc ccagcactcg  
 46201 agaaatccgg aagcccgctc ggtttctaac taaggagcag gatcggttag  
 46251 taaggggccc acctgttcca aggttagcaga gactcgcccg cttgactggg  
 46301 gttttggcgt gacaaaatct cgaagccaat accgttcgtt agaacggcta  
 46351 ctgcgcacca agccatctct ttgcacccaa tcaaggccg agataaagcc  
 46401 atcgagcgcg ttgcgcgcgt cgtacccagc atcatctcct ccgctctatc  
 46451 ggcgcgcgaa cctctcagcg gtcgcgcgag gacagcttgg agaaagccc  
 46501 ctcggtgagg ttctccggcg ggcacagagc gacagccttg gcttaacgt  
 46551 aggtttggca aaacgtgagc atctctcctt gatcgccaaa ttctagctta  
 46601 tggcttggcaa tagtctgtag ctgttgaac gccattcgac gtaaacgcta  
 46651 tgtcgacagg aagaggccac catctttctt ttcttggag atgatcttca  
 46701 agagcttttc ccaggccgccc gatcccaact tctggtgatg accccaagt  
 46751 ttgatctcta cgttaacttc agcgagctta cccctcagcg tgcacgttag  
 46801 aatgacatcc ttctcccaat ccttcgaccc cgggttaag cttcagggca  
 46851 aacccaaccc ttgcacaacc tctgcgcaga cctgcctgac catcgccat  
 46901 tccagatgat ccagggggac cggatttttc gcatccttc ccgttagccc  
 46951 gctcgagcag tccgcgcagc ctgagctctc ctagctctc acatgacc  
 47001 tctcttcggc caggactgt atccagagca gccattccgc aatgtcagc  
 47051 aattcgatcc tagcgccaaa gctttctctt actcgccgat gcgctcccg  
 47101 cggaaattcg ccgttgtctc ccagcagcac ggcagtgaga tccgtcaaca  
 47151 atcgagcgcc gatcaacttc tgcagatctg ccatccccc ccgttagaca  
 47201 gtcttctcgt aaaaacttgc ctagactcgg atgtctcgg ccggtcgaga  
 47251 actggtctca tccgcgctac gcgagggcgg gaaatcgat cctgatcgt  
 47301 tcaatccgcc agtatgtctc acctcgtagc cttcgatccc gaagaaggcc  
 47351 tccacaacgc ggcaccaagg caatctgcac tcttgggat cgaagctctc  
 47401 gttccggccc aatttatctg gctcgagctc gactgcatcg cactccgttc  
 47451 caattagttt tcccaadcaac gcgcgcaccc gcgtgcctct tccaaatc  
 47501 ccatacctaa ttccaacagg gattttgtga taccgtaga gctgaacttg  
 47551 aggtttgaga aagccgaatt tgaagtggtt ggtgtcaatt ttaacaacct  
 47601 gtgccttcgg ccacgcaaaag gtgggacatg cacgcttgg accaggatct  
 47651 cgtagaccca ctacgcgcca aaaaaggggc gtgggtttat atcccccacc  
 47701 accgcggcaa cctcccccct cccgtctatc ctctcaaccc cagctccgct  
 47751 acgatccgcc gcgcgcctcg tggggtgacc tggaggtct tggacaacct  
 47801 ccgggcgcaa acgagcgggt ttgcctcac accgttcgac agctctggca  
 47851 gttttgaga ggtccgcggt ccgttcagct ttcggtcat catcgttttc  
 47901 gccagcgctc gccgatcgt ttcttctcgt ccgatctcag cagccgcgag  
 47951 caaacgctgg gcatgggcaa gtagcgggtt cctccggccc cagtgccgag  
 48001 gccgatcgag ggttatggt ttgcagcaga cctgatggcg ggcgaagatg  
 48051 gctcgttggt tcatgcggcg ttccgcagc attgagggc aaagcagcgg  
 48101 gccagccagc ggcgcgtgct gcaggacaga cagtctgttc caggcatcaa  
 48151 gggcgagcat cgcctgcagc accgcgggca agtcttgagc cttggcgcat  
 48201 accgtcgccc attccaccag ccggggtctc tcatcccaat ccaggttcta  
 48251 gaccagtggc tctctctcgg cagccagctt gttcgcgcg gccagcgccg  
 48301 gtcgcttgc gtcttctgac gcggcctcgg aacgtgcac caccgcatcg  
 48351 atggggcat aatgcagccc gggcagatct ttgggtcgt taacatcgtc  
 48401 cccctccccc tccggatgca tagcgacggc gggccgaagt acgtccggcc  
 48451 cctccacgcg ctcagcgccg accgggttga tctcgaagt cgtccgcaa  
 48501 gttccgctga cctctgtcga taacggcaga tctggagat ggcagagat  
 48551 gccggcgccg gtcgcgaaga cgtccggggc gatttgaat tctggtgttg  
 48601 ggttcgggat gtcggggtta cgtctgtgga ggcacaggtc tctgagatgg  
 48651 accgatttgc cgtcgatcca gaggagggcg caggcgttga ggaatggcat  
 48701 gcgctcaatc caccgccttc cgcaggttga gcggggcgat cgcctcgtga  
 48751 gacgcgtgaa accgatgcg gctcgaag ccggcgccat cagggtcttc  
 48801 gtgctgattt tgcgcagatc ataaagcatt gaaattatg taacaattt  
 48851 tctaaaggaa cctcagtga atattactgt tctcaactc gtaacgttct  
 48901 ggggttgctt taacatoga taggtttcca gtatcgatg tcttgattt  
 48951 ggggttgcaa atcaactcag tctgctgac cagatcgggg attcgcctg  
 49001 aaacccgggc tctgctgaga taacggcaga tctgagac gtaactctc  
 49051 cctgatcgca gttgaactga cctcgcgga gcggcgccg ccgtgcgcgt  
 49101 cctccggcta ttctacatc ccgctcgtc agaatgcaa ccgtgttacc  
 49151 cgtacccat cgtcaacagg gatttcacg catttcggc acagaagggc

09939961-032701

49201 gctggcgoga ttcccggaac ttgcagcggtc cgagacgtgt tgcagacgag  
 49251 attccggcgt gtaacgacct ccattttgaa cctatcagag gcttcgacag  
 49301 gagccttttc tcacacatgt tctatttgta caaacggccc cgaacggccc  
 49351 gaaaaatttg atggcaacgg ctgcataact caattctcct tccctggcgg  
 49401 aaaggctgat cggatacgcc cgtgttttga ccgaggtaca gctcaagcac  
 49451 gctcaggtgc aagaaattgg gggcggtgggt tgcacacgca tccacacagg  
 49501 gcaaggatcc ggcgcatacc gcgcggcgcc ggtggttgg aagcttotta  
 49551 aagacccctg catggcgcat gtccctcgct tcgttcgccc cgacggctct  
 49601 gcccgatcgg tcagccacct gctgcagctc ctccagagcc tcgagagagg  
 49651 ccgctgacct ttccgctcgc tgcgtgatcc gatcgatacc tcgacggccc  
 49701 acgaaatgt ttcccttgca gctctggccc ccgtgcacca gctcagggcc  
 49751 ggcgtgatgc cggagcgagc ccggtctgtg atgcagggcc ccaaggggcc  
 49801 cggccggcctt cggcgagacc ccggctgtgc cctactcgca tgaaactgat  
 49851 tccgtcggtt ctcagcgccc gcgcagcgcc cggcgagccc gcccggcgga  
 49901 gtgtcagcgc agacccggct gccgcagctc cggcgagctg gcccgcgaga  
 49951 cagttgggac aatgtcgtgc ggtactcaca tcgcaggggg cagcactgca  
 50001 ccgtgcagac gttcggcgcc gcggtccacc ggtcagtgcc cgaaaaagct  
 50051 ggggaacagg aactgcttgc ccgatcgctg cgcggcgccc ccgaggtaca  
 50101 tctgatcgcc ctgggttgcgc ggtatgcact cgcgcgtccc aatctgtcgc  
 50151 tgcgcgcacat tgcgcggcag ttggaaccca tgcaggagag accgcacagt  
 50201 gggcgccgca aatggcaacc gttcttcgtc cgagacatac tggcagggcc  
 50251 ggtgcgtatc ggcgttgaga gcgcttgccc ggtttgggtc tatgaattca  
 50301 gagtgttacc gcgcgcgtcg aagacgggtg ccgactctgt tccgtgtccc  
 50351 gcatgtctcc aatgggaaaa agaccgagca acccccgggg tatcccgaa  
 50401 agctcgggtt gtaggaaggg ggcgcgctag gcttcgaaat gctcagcca  
 50451 catcttgccc gacttaagat cctttaccag ctctgaactg atctctggcc  
 50501 catccttcag ctcccgccgg ccagcccgct ccacccgctga aatgtggagg  
 50551 aagacatcgg cgtcccgctc gtccgggtga ataaaaacca agcctctgtg  
 50601 cggcttggaac cattttaccg ttccggctgc catcatgccc tcttcgtacc  
 50651 atttgcgcta cccgcacacg ggcggggcga gctcgtttcg tacaagcgcc  
 50701 caccagataga cgttctcctc ctccgggtga acgagcccca acgttgagcc  
 50751 accgagatga cccagagacc cgaattctgt ggcacatccc gctacttttt  
 50801 cgccttttgt ttccagccgt ccagctgggt cactgaggtt ttccgaaacc  
 50851 acgtcgaaact gatttctcgt aagataaaga tccactgagtt ttccgaaacc  
 50901 aagcgtgcaac ggttcgaagt ccggcgccag gtgagacccc catttgcgc  
 50951 agagcctcat ccgagggcgc ctttccgca agcccgcga ttgtggtctt  
 51001 ggcggcgtga ctgcgtcgtc cgagctgctc gctagggtccc tgaagtgcac  
 51051 tcatgcccga ccgcgcacac ccgatgtctc gcgctgactg cctttctcta  
 51101 ggcacagggtg atcccgcgcc taccggcgcc gtttaccgcc ggcgcggccc  
 51151 acctcgatgc cctgcgcctc acctgttttg attgaatgag gaacccgttc  
 51201 gaggatcatg ctcccgcgcc acctgatctg ccccacgata agatcagctt  
 51251 gccggttcga taccgcttag taccgcttag taagattggt tctactgcgc  
 51301 aagcgggaag ttgcgctcgt ccttatgcca gtcacagcgt tccctgcgc  
 51351 cttcaaatg gcgaagggaac atttcagacg gcaacacagg agagcccaac  
 51401 ggttgcttga gcttagccgt gtggcaatct ccgcgcctg ggaacaaacc  
 51451 ggcggcgttc tgcccgcgtg ccgttgaggg cgtattaccc actctgtcac  
 51501 taacccctgac gaacacaggc cctccctcgc catagcctga cgttccgtg  
 51551 cgaactggcc gaacacaggg acagggcttc gtccagagtt ggcgcggcga  
 51601 accttctcgc accgcggcgc atcagctggc accggcgtcg atatgacct  
 51651 gtcccacttc aacgggtcgg aggcctctgt cgaagtattg ggttcagcca  
 51701 gcttgccgtc gctgacggag acggaatttc cgaagtcca ggaacggcca  
 51751 accgtgtgta ggttagcact acagcgtcgc aggcacgaa gccgaacata  
 51801 atggtcttca cgttcgcgcg cgtctcttga agcagctgga gctgcttcg  
 51851 agccatata ctatgtttag ccgggggaag taccggaaag ccgtgcgcgc  
 51901 aggcgtcgtg gggcagcgtc gcgaaggcca cgaacctgtt cgtcgttcg  
 51951 tttcgttctg tgcctgctc tctgtggcagc gttttagccc gcgttccagt  
 52001 cgtctgttgg gttagggtat ttcttccttg cacatcccca tctccgcgtg  
 52051 gttgagggcc: caatgggaag ccgacagctac cgttgccatc gctgccccc  
 52101 aacttgttta cggccctcgt caacccggcc gactgtacca aattggcgaa  
 52151 gctgaagcgc gctgcgtcaa tgaactccag gaacccctcc cgcctctgat  
 52201 tttaatggag caggaacata cgttagaaca tgaataggc aacgaagrtc  
 52251 ccagacacac cagctcgctt acagcagagc gccacacggt gctgtctcac  
 52301 ccagacggga cagctcttga cgcctcttga agcagctgga gctgcttcg  
 52351 tgcgtttcaa tccgctcaga ccgcacacaa acgacggcga gcatgatga  
 52401 cgaacatgt cctttgatct gccgcggccc gatcgcttgc aaacgtctgc  
 52451 tcatgggaag ccggaaccaa cagcggcggt gtgttcacca tctaccacat  
 52501 gaagcaata tgaacggcgc agcgtaccca gcgcgatgaa atacgcttag  
 52551 caagcgata actaatgctc tgttggaaat gtcagactca tctggcgaga  
 52601 atgacgaac gcggttaact acggaactgg taaactttac gactcgcctc  
 52651 ctcaaacag gcgataacgc cctcgaaagt tgcaggaac ccttcctctc  
 52701 aacgcgaac gaaacaggtt tagaactaac gctctgata ccttcgcga  
 52751 atttcgttga tgcagcgtt caactctttt acagctctgt taaggagag  
 52801 aatagctccc cgtccttttg caacacatac aaatcaga atctctgttc  
 52851 catttggcct ttccagcact cgtcctgggc ctaagaagac atctctgttc  
 52901 tgatgctga atgcctcgc caactctctg gacacacatg tggagagct  
 52951 ggggaactgt cgggtgttgc cctgcctttg gttcgttcca tatgcacac



922

56801 cgggagcgat gggggcgaa ttagcggttca ttgcagggga actctcgat  
56851 aacggtttct cggcccgaga acgcacataa tctgtattat gtgcgattct  
56901 cgcgactga cgggaatat agagtttaac aaggggttat acgctctccc  
56951 gagacgccc tgcctcgagg caaacaatgc ttgtttctcc ttcatctcca  
57001 ggcacttaga ttgcagcttg cgtctccgca ggccgcagga cttttcaggg  
57051 ggagaaatca gggcgtttgc ctgactacca aagctcaacg cgaatatgac  
57101 gtgcatttgc tcccgcggac tcaacggact cagccttggt gaatatctc  
57151 gagttcttag ttgctggggt tgcocggaaa gagagcgggg gaacataact  
57201 ttgctgcocaa cttcttcaat gggcccgaca attggtctgt ctgcactgtc  
57251 ttccacacat tgtctctctc ttgcgggtac ttgctgttac aggcacgtgc  
57301 ccgcaaaaat agaaggtgat tcttctcgac cgtccagaag attggatgac  
57351 acaatgggtt gaaaagcccc ttgttgggtc aagtgcggcg aaggtattct  
57401 tgcgaatat tgtatttgtc cgttcgaatc tagacgggga taccggcgct  
57451 ctatgcagca gaattgtctc ctttgaatcc cgaacggcg aacggctccc  
57501 ttccggtctg caaaggcgca cgtgcgcgca cccgattccc atttgtgtgc  
57551 agggaaacct gtaggtacct acaactgcac cccgattccc atttgtgtgc  
57601 atttccccgc ggtccaaaca cgcaggagaa attcattgag atttccggga  
57651 ttccaaagcc ggaatatatc gaagaagccc aactctccgc cagcattcac  
57701 gaactggcgg ccgcggtctt ttccgattgt ttgggtcggg aagtcattgt  
57751 cgtcggaggc tgtgagtacg atactttoga cgtatttcaa cgcacctaca  
57801 tcttagccgt atcgagcaac gatcgagtgg ttggatgtgc tgcctactgt  
57851 cctgcgctcg gccccacgat ggtggccaac gttttccctc cgtctcttcc  
57901 tgcgggtcac ctcaacgctc attcctatat ggtcggagag tccgcttttt  
57951 cgcgggcaac ctctcttgct gagagcaggg gagagcgctc catctatgag  
58001 ggcgagctca caatgtgtct ggggttcaac gaattgtcgg ggcataccg  
58051 ctacacggaa atcgtccagg ttccggtatc tctgttoga cggatccatc  
58101 ccgcgctcgg ttggcgcgtt cagcgccatt ggagagcaag cgcctatgga  
58151 ggcagccgtg ccgtggcggg cactctgcgc gcaagggcag acaacttcat  
58201 gaggtctcgc ccgcgaact acgctctcca aatcatcagc attttgtccc  
58251 aatcagtgta aggagaatc agtggaaacg cttcgtctct atctctgcgt  
58301 cgtccgcgag cttcaggagg cgttggcgga ccagctctgc gttgttttgg  
58351 acgatagcaa cgtagttaga ataatgtctga atcccgatgc taagctgttc  
58401 atagaacggc tggggcaagg cgtcgcgcgc gttggcgaga ttctgtccgc  
58451 ttgcgggcaa atgggtgatg gacgggttgc tcatgcccct caatccggag  
58501 ttgacccgct caaacacctc agcttccagt agcttccagt agggagcatc  
58551 cgttgtcagg gttctatggc cgttcctcgc ggcagagcct ccttcacact  
58601 ccgttgtcgg gcatctgcgc tgcctccact cgaagcatat gtcgctccgc  
58651 gtgtgatgac cggagccacg gctgcgacga tccgcagcgc ctttgaactc  
58701 cgcctcaaca tcatcatttc cgttggaact gcctccggca aaacgcgctc  
58751 cgcgaatgca gtaactcatc agatcgtgag gagcgcgccg gaagacggcc  
58801 tctcatctct cgaagacacc gccgaatccc agtctgcggc cgcacacgcc  
58851 gttcttcttc gtaacagcga tccggttgac atggcgcgcc ttctcaagag  
58901 caagatgcgc ctgcgtccgc acgcaatagt cgtccggcga ttcgcggatg  
58951 gtgctgcctc cactctgttc aagggatgga acacgggcca tccagggcgc  
59001 gtggcaaca tcaactcgaa cagcgcatc tccgcgctcc ggcgctggga  
59051 gcaagtgacg gccgaagcaa gccacagccc gatgcaggcg aggcggggtc  
59101 aggttgtcga cctcatggtt tcaatcgagc gtaacggcgc aggcggggtc  
59151 gtgcgcgaca tcatccaggt cgaagcgttc gccaaaggcc gatacagatg  
59201 cgaacttgac caactccgc aagaacggga ggagcggcat gtcgctgaag  
59251 aatgaattta tctcatcgc gtttctgtct tgcgaactca ttttggcgtc  
59301 ggtagcacgc gcactggcca gttcaggcgg cagcttgccc tgggaaggac  
59351 cgtctagcga gatccaggag tcatccagg ggccagctgc ggtgtacata  
59401 gcaettggcg cagtccgat cgcgcggcgc attgctatt ttgcggtgga  
59451 gctgaacgat ttccggcggc ggtctgatga tgtctgctt gttgcggcca  
59501 tctctcgtgc cgcagggcc atgtcgact ttctccggc gacccggcgt  
59551 tctgctggct tgcacaaatg tctgcactct tgcgcggccc cagatcgga  
59601 aggggaaggg gcaactgtgt gaggcgtatc cgaacgta cgcactgc  
59651 attcacctgt cgtctccgc gccgaacccc ctgatgggcg cggaaaggga  
59701 actggttttg atcacggggc ttgcggcggt catctgatc tttgtggctg  
59751 tgactgtcta ctggcgctc ttccgggttg tctgttgatc cgtgatgtgc  
59801 ggtctgtctc gcatgtgac gaactccgat ccgtgtatgc ggcaggtta  
59851 tgtccggcac atttctaca aacctacta caaggccacc acctctcgt  
59901 ggggggggta ttggaggcgc tgatattgtc gcgtccaaac gttttcgggc  
59951 aacggggcca tcttccgggc atcttgtccc ctatgcgggc ctggcgaca  
60001 agcgtgtgct tctgttgaaa gacgggaagc tgatggcggc ctgttatttt  
60051 gctgcggcgc actccagcgc gccaacagc ttggaaagca cgcatacga  
60101 ggcgcagatc aacgcatacc ttctggcggt cgtgaacggt cgtgatgttc  
60151 aagtgaagc cgcocgtatc cgaagctaac attatccctc ggaagacggc  
60201 tgccatttcc ccatgtgtg gacgcggcga attgacgctg agcagcgggc  
60251 gcatttgcgc cgcgagcgag gacatttga aagcaagcat gcgctgatcc  
60301 tgacctatgc gccgtcggag gccaaaaga cagcogctca gcaatacat  
60351 ctactcgacc ggggagggcc gtaggaagac ctatcgggac actgtgtct  
60401 tcatcttcaa gaacggccat cggagagatc agcagatttt cgcacaccc  
60451 cttctgatcc gggcgatgga aagcgcggag gccgcggaga ggggggggga  
60501 gcgtgtggcc cgtatgtgca aactgtgca attatgaca ttctgacca  
60551 cggcggaana ccatcagatc cgttggcgag cgtctcccat gtatctgac

00933964.082701

60601 tggatgcgga cgcgcgaact cgcgcgatggt ctgcgcgcga aggtgcagaa  
 60651 ccggttctct gttgtcgtgg cgcgcgcaggg gctcccccgc gagagctggc  
 60701 cgggcctcct caacagcctc gcacctatgc ctttgacgta togtcgtgtg  
 60751 tcgcgcttca tcttctctga tgcgggaagag gcgcgtcaga agctgcgaag  
 60801 cagcgcgcga aagtcggcag agaaaggtcgc gcggttcttc gaccagctat  
 60851 ttcagacgca aagcgcgtcg gtcgcgcggg accgcacgat aatgctgggc  
 60901 gaaacgcgag atgcctatgc gcaagcgctc togcagcttg togcctatg  
 60951 ctattacaca ccgctgatca tctctcttca cagtgatcgc gaagcgcgtg  
 61001 agaaaaaagc cgcgggtatc cgcgcgcgga tccagcgaga aggtattggg  
 61051 cgcgcgctcg aaacaatcaa cgcgcgcagag gctatctcgc ggcagcttgc  
 61101 cgcgcactgt tattgaata tgcgcgaacc gctgatcaga accagcaatc  
 61151 tcgcgactgt catctccctg aactcctggt ggttcggaaag ccgcgtgcga  
 61201 cgttgccctt tctatctctc caattctcgc togtctgatc aggttgcaag  
 61251 ccgttgcaga ccgttcgggc tgaacctgca tgcgcagcag gtcggccaca  
 61301 cactgatctt tggtcgcagc ggcacccggca aatccacgct gctgggcgtg  
 61351 atcgcggcac agttcgcagc ctatgatcgt tccacagatc togcctttga  
 61401 caaagggaag gcgctctctc cgcctaacgt ggcctgcggg ggcgatcatt  
 61451 acgagatcgg cgcgcgaact gcgggaaggg gtaaggcact gcccttttgt  
 61501 ccgctgtcgg atcttcgaag tgacgcgcgt cgggcttggg ccgcggagtg  
 61551 gatcgcagtg ctggtctctc tgcaggggtt cactatcagc ccgcagctgc  
 61601 gaaatctctc gtcacacaa tgcgcgcgag tccgcgcgca tccgcgcgca  
 61651 togtctctcg attctgtgag cgcgcgtcag atgcgcgaga tcaaggacgc  
 61701 cctgcacacac tatcacgtcg accgcgcctc gggctcagtt ctgcagcgcc  
 61751 agcacgcagg actatcctc ggcgccttct agacacttga gatcgagcaa  
 61801 cctcatgaaca tgggcggagc caatctctgc ccgcgtctca cctatctgtt  
 61851 ccgctgcatt gagaactcgc tcgacgcgtc gcgcagtggt atcgtctgtg  
 61901 acgaggtctg gttgatctgc ggcacccagc tattcagaga caagtcgcg  
 61951 gaatggctga agtgctacg gaaagccaat tgcgcgcgtg tctctgcgac  
 62001 acaatcaatc tcgcgcggg agcgttccgg catcatcgac gtcgtgaagg  
 62051 aatcctggcc gagcagatc tgccttcgca atggagcgcg tcgcgacacc  
 62101 gctatctctc aagcgcgcgc accggtatgc ggcagctcgc ggcagctcgc  
 62151 gatcatcttg aagcgcacac cgcgcgcgca gcaagcgcga gtcacccctg  
 62201 aaggcgcggc gcttttgtat atgcgcgtcg gtcgcgtggc gcttatttct  
 62251 gttgcgcgat ccgcgaagga agatttgaat cgcctcogaa cacttcctc  
 62301 cgaatacgac cgcgcctcgc ccgtccactg gcttcagatg agaggatttc  
 62351 acgatgcgcg tctcgtcttc aatgtcgaat aatttgctg ccgcgtcggc  
 62401 ggtcgtgcgc gtaacggctg gcaacgggga gcgcgcgatg gccgcgcgcg  
 62451 ccaactggct cgcacacgag tggacgcagg ttctcaaca ttcgcgcgac  
 62501 gttgcctctg tggggaagtc caatgagcaa attcagaacc agctacacca  
 62551 gatcagccag ttcgcacac agatcgagac gcagctgaac attctacaga  
 62601 accgtctcga gaaacggcg agcgttccgt cactatctg ggcgcgcgct  
 62651 gagctgata tcaatggctt ccgcgcagat gtcgcacag gtcgcagcat  
 62701 cgcctttctc atgggcacgc ccgcacactg actgcagcag cgaattccga  
 62751 gctatgcaac cctcaagacc aaactgccaa ggaatgagac attctcctg  
 62801 acctatcaag cctggtcggga caccacaagg gatacagatt ccagcagcgt  
 62851 gaatggggcg agcctcagcg ccgatcagtt cgcacagcag gaaacgaca  
 62901 tgtctcgtc gcgctcgat tcagagacgc ctgacgggca gatgaaggct  
 62951 ctgcaggttg gccacgaat ccgcgcacca caggttcggg agatcgagaa  
 63001 gctcgcgggc cttgtctcgc agcagatgac catgatggga accctggctc  
 63051 agcaggagca gaccacgaag gaccttggcg agcgcgggg ggaacaaatc  
 63101 ttcacagcgc acgtcaagag cacttcggga gtcacagag ttgagcagag  
 63151 ctgtgagcgc cgcgcgttat cactgcctta gctgcctg togcgtcgtg  
 63201 ttcgcacaca ggcgcagcgc tgatgctcaa ctcgcagcgc tccacacat  
 63251 ccgcacactga gggacacgc accgcacaag aaaaattctt cggcgcgggg  
 63301 aaggcgtctc cgcgcgtcaa ggttggtcag gagatgggtc caagatggg  
 63351 aagatcagtc ttgcacgctt gttgctgatt gcaaggttgg cttatgtcgc  
 63401 ctttcagcca cgcgcttctg ccgcaggaagc tctagtctc acggagttg  
 63451 agaacacagc ctcggcgagc gcgaaaggaat gggaaaccaa catccttgc  
 63501 gggcggaat cgttgtttt gattttgggc accatcoga togcgtatgc  
 63551 gcgcgctcg ctcgcgctc agcgcgtctc gctcgcagc tggtttgtg  
 63601 agcttctcgc ggcgcacatg tctcgtcgtt tttttgtttt cgttttgatg  
 63651 agggggcaga ccttcgcggc ccgcgtgatc gctgcagctg tccagatcgc  
 63701 cgtcgcgcgc cgcgcgtgat ccccgctgga actcttcgac gctggcatc  
 63751 ggttcgctc acaaatgtcg cagcaagccc agtctggctg cttcagagac  
 63801 aatgcgctc caatgcctc ggtgctggcg atgggtctg tggctatctg  
 63851 cttttctgct gttgcagcaa ttttctgtc ggtcatggtc gagatgcat  
 63901 togcgctgct cgtcggcatg atcatgctt ggttggggg tctctcttct  
 63951 acgaagact tgcgtctcgc atatcttgtc tatgctctg gcgttcgat  
 64001 gaaactgat gcgctcgtga tgatagctaa gattggatg caggtctctc  
 64051 tggcgtctgc gaatgcctca accgcgtctt ccgcacaatt tgcacagacc  
 64101 ctgcgctgc cgcgcatctc cgtctgtgtt tctcatctg cctagtactg  
 64151 gcgcagcact atcccggtg tctgcagagg cgcgcgcgtt tccgcgcgct  
 64201 cgtcgcgcgc cgcgcagcgc ccccgctgga cactcttcag cgcgcgcgct  
 64251 ggttctcgc gcgcgcgggc ccgcagagc gtttcaag ccgctcagtc  
 64301 ggcacagcgc cgcggtctat cctcgcgcgc cgcgcgctt cgcggttgc  
 64351 gcgcgggatc cgcgtcgcgc agcagtcgtg ctggttctgc cgcgaaggaa

0003964-002701

64401 aagcgatgac gttcacccgg cgcctatgac ggtacatcc toggctctgc  
 64451 caacggccaa ctcgatgaga cgcggggggg tcatagcggg cacaagccac  
 64501 ctcccggaag caagagctaa cagcaaaacg aagatgatag acgatggcag  
 64551 cgaacccggc ccccgaaaac cctatcttgc ccgcgggaga ggaatggcag  
 64601 gaacgatagc gatccctatg cgcgacggcg gcggcatggc gcacgatggc  
 64651 cattctgggc ctggccatgc cccgatgctg ttccgatgat gctatgtatc  
 64701 taagcaccca ggtcaagctc gtgcctacaa tcgtccaggt ccgacaggtc  
 64751 ggcacgttgc tcaacgacgg ttcccccaga cagattgaat atgcggatgt  
 64801 gcgggtagt cgcgcacagg tcggcaattt cgtgacagg ttccgttgac  
 64851 tcaacggcga cgcgcgggtg cagaacaatc atatgacag ccctaggttc  
 64901 cctctctgga cctctcgatc gttcagggag aagatacag cctagtctgc  
 64951 agcgaattgc cctctcgaga aggcacaaac cctatcagat cgcgtggac  
 65001 tcaacacatc cgtggccgc tcaaacgga atcgacaggc gcgggttcgc  
 65051 gaatcacgac ggcggcgcaa ggcgaaggc atcgacaggc gcaacacatc  
 65101 gggcatcgag acgttgacac tcaacggcg ccaggacagg gacagcgagc  
 65151 ggcctcaatc aatcggtctt tatgtcaggg attttgactg gacagcgagc  
 65201 ctttaagggc aggggaattc tcaatgcaca gaacgggatt gatccgagc  
 65251 gcgggtgctc tggcaacact cgtctttgcg agcgccgctg aagcgagcag  
 65301 catgaccacc aatgaggtga agggcacagg tatttggagg aatggcgcg  
 65351 gcaacggcgg gttggtgacg actggtccgc agcgcaaggt catcttcgc  
 65401 ttccggcaga ccagcgcgtc ggtcgtctgc tgcctctgc aggtctcgga  
 65451 tatcgagttg cagcgggggg aaatcgtgcg tgaagttctc tctggcgatc  
 65501 gcgtgccttg gaagtgaga ccggcgacct cgggtgcacc cgcggggcag  
 65551 gcgtccaccg tgaatgtcaa gcctcggag catccagctg aaatccgctc  
 65601 ggtggtcagc acgtcggcgc gcaactatca ccatcagctg ggaactttgc  
 65651 cgaacagcta tatggcgcg ctcggtttgc agtatccgga ggaactttgc  
 65701 acgaagcttg ctgacatcaa ttcagggtcc gagacggcg catctccagc  
 65751 aacggcaccc gacagagtg aactctctca ctccggtcag gggagagcag  
 65801 cgtggaagcc gaacagggtc tattggagc gcgcaaaaac cgtactcaa  
 65851 ttctcgaaat cgtctccg acaggacgg ccggtgcttt tctgtcgtac  
 65901 cggcgcccaa aacggcatc gtaactacg catgaacaat tcaatgatga  
 65951 tctgggacta cgcggtcgac aaggcgatcc tgcctccgga cgtcggtgag  
 66001 gggagagaga agatcactat tcggcgggga ggcgtgaaga tggcgagct  
 66051 tctgatctat tgggtatcgg tccagcgcaa ccccggtcgc caaaagcgcg  
 66101 agggcggttc gacgacccgt tccagcgcaa cggcgccgag gggcgccgag  
 66151 gcggcgcgga ttgcggcgga tatggcagc cggctcggcg agcagctgag  
 66201 cccgtctcgc acgatgaca tcaagataga aaagactcgc tcggtattgc  
 66251 cgaagcgctc cgaagcggcg ctgaaggctg gggcgctacg ggtcgtgact  
 66301 gatggcaagg tcggcagggt cggcaaggac gtgaactcgg tcgatctcgg  
 66351 ctattcgatc gacgggtgtg acggtcaggt gctcgcgaga ctttgcagc  
 66401 cctctatcgc gcttgccggg gctcacagc caacggcgag ggtcgtgat  
 66451 cgcgcaagtc cgtttccatc tgcggccaac gaggccagag atccgacagg  
 66501 ctgcagcttc cgtgggttgg tgcggccaac cgtcgccatc gtaactctgt  
 66551 catgcccgtc ctaacatcgc gtcgatctcg ttgatggcg cgttcttcg  
 66601 cgtgttgtgt cggatctcgc gtcgatctcg ttgatggcg cgttcttcg  
 66651 ttaacccgga acatgatat ccaacggcga tcgaataccc cggcaagaga  
 66701 ttccggcgac cagctcagc cggcggtcac cgaaggatc atccggcgac  
 66751 ccgtgaaacg ggaaggttt cagcggcgcc ccaacatgaa acgaaggttc  
 66801 gacaaggaac cgaactgtgt cgaacggctc acggaacggg aagcggcagc  
 66851 ccccgcgctc gaacccaggg aagaatggaa ggcggcctg atccggcgac  
 66901 aggcgaaca aattatccgc gaggcccgac ggcagcggtt ggcggcgtg  
 66951 cagcgcgagg caacgggtt ggaactccgc ttgaagggtg atattccga  
 67001 gggcgagga cagcccaaga accccaagga caggggtcaa aatcccgagc  
 67051 cgaagcaaaa cagcgctcgc gaactcgaat cgcgcgcat gaaactggg  
 67101 atcatggcgc agaacctcga tccggaacgg cagcgctcgc agggagattt  
 67151 cttcaaccag gactcaagg atgatggcta cctcccaaat cgggtctgtg  
 67201 cgcagatgct ggtctatgag ttgaaggcgc gctcggctat tcccgccacc  
 67251 ttgatccag/ gctccaatc cgaactccgc ggttcgctac cagcgcaagt  
 67301 cagccagaa gtctatgaga ggcgccagc ctacgggttg cttatccccc  
 67351 agggcgccaa actgttcggg cgtatgact caaagggttc gttttggcag  
 67401 gagcggcttc tctgtctcgc gacatctc attttccca atggatcgac  
 67451 cctgcagatt ggcggtatg ctggcagcga cgcgagggc tatggttgtt  
 67501 tcaaggacag ggttcgacgc catctctgga gcaactggag ttccggcagc  
 67551 ctgatcgcc tgaattggag cggatcgagc atgtcgatg ccgagagctc  
 67601 gacgctggcg acacagata ctgctcaga cgcgctcag cgaactctg  
 67651 ctgaatcgtt cggcggggtg gctgagcaga ccaatagaga gaactcgac  
 67701 gtccagccaa caatccgat ccgacccggc tataagttca atgtcctgt  
 67751 tgaccaggac atcatcttct cgtcccgcta tctgacaaat tgcggcgga  
 67801 gggccacagc atctgatct cgtatctgac cgtggttggc ggcgggtgtg  
 67851 ggcgtacaat cactgcagcg caaaccttt cctcaacttg actatttota  
 67901 ggcgcagctg gcttgaagc tgcattcca caggtagtgc taatgtadac  
 67951 ggtccggagg aactatccgc atgctctat ccacgtgggt ttccggcaaa  
 68001 agtaattgtg tpgtaaatc cgaactcaga acagattgac caacggcgag  
 68051 atcgtctcgc atgctcaga cgcgctcag cagaagatag gacagctc  
 68101 cgtgaacgga aacctcgtt cgtctataga tatctgga ggcggcgag  
 68151 atgggcacat gatcaagatt cctcttagaa gcttccgaga tctctggggg

00939964.082701

68201 tatgcacggt togcctaacct gcaaaaagac ggaacacagg ttaggacgtt  
68251 ccaatcctat cccggaccat gggaaagcat ctacctoggt agcgactatt  
68301 tcaacatoga tcccgctgct ggggaagcaa agcgccggcg ggaagttttt  
68351 ttctgggacg ccgagcgcttg gctgcgcga ggaatgtctc ctcttggcg  
68401 gtttctgtac gagggcaatca gccacgggat togtctggcg gtoacatttc  
68451 ccgtggaggg agctacagga tccgcgctga tgcctgaact cgcctgcgcg  
68501 gaaaggaaag tggacatttc gggcgctgct gatcccaaaa aggcagttca  
68551 attgctgctg atgggtgcaat accaatgaa gatcattgoc ggaacacagg  
68601 tgcttaa tcc caagcaaatg ctgtccggcg gggagatgct ttgctgtgtg  
68651 ttggctctgc agggcaaac ttggtccgta accgcccaac tcaactggat  
68701 caatgcocga accgtgcagc actatctcga taaagcaggt gcaaggttgc  
68751 accgcggaatc agtgcgcgaa ctgtgttgcga ttgcgaagga tcggcgcttc  
68801 gctctgagtc tagttgtcat cgtcgaaagg cagctggggc acaaagccaa  
68851 ggcgctccag aatgtccgat agctctctct gttgggcttc cgaactcttc  
68901 tggcgctgca cgtactctc ctggagcgct tggaggacgg gacgggaat  
68951 cgacggatcg togttctggc gcaacacact ctctgaagcg cgcgtatcgc  
69001 cccagaggag ccggcggtgt tgcggaatcg cggaaactgc cagtgcctca  
69051 agctctgact tggctatgac actgtagcgc gctctctctc cctgttttcc  
69101 gtctgtcaac ttggatgagc ccatatcggt catccgcttc cctgtgattt  
69151 gattctgca ccaagtcgca ggggtccgta cagctgtatc ggtcagcgcc  
69201 ctacagccaa attctctggy ctgagcaagg cgagttgaat ctcaactcga  
69251 catttaaca actgcttcga gccgcggggc gttccggagcc gcgcggttta  
69301 cataacttag ttgataaact tatggtgtgt aaacgcgat ctttcacggc  
69351 atggatatgc gcaagctggt cggctctaat ttgcgccgcc ttgcgtggga  
69401 gaagggcgct acacagggaag aggtcgaaac tctgtccgggt ttacagccaa  
69451 aatatctgag cagccttgag ccggcgcgac gcaacccatc cgtgatatc  
69501 ctttatgagc tggctcaagc ctctgggtga agtcaagctcg agttggtac  
69551 cccgactgat gagactcact ttggcacgcg atggaggcaa taactctact  
69601 gcaggggtaaa atcgagcgtc tggcgcgctt acatccactt gattctcgga  
69651 gttctgcaac attgtgattc tggcgagaag ttttcgggaa gggctgggga  
69701 gtttggagtg cggatggagc tggctgcgag ggcctccggt cgaagagcgc  
69751 ttttgcagcg gctgtctcga ccgaggggtca gttcctccga tagaggttc  
69801 togtattgctt ccaagcgctga gagtctgcga tgcctgagggc cggcgacac  
69851 gtgctgagc gctctgagag cagcgcgcat cttgagggcg acagatgct  
69901 gcaggatgag ttgatctcgc gacggcatag catcaaggcg ggcgtctcgc  
69951 ggcgggtctc ccgagccata ccggttgcaa cagctcgtc acatcgcgct  
70001 cagcgagatg togcgctcc agcttcaggc cagatcgga cattgcaag  
70051 ggaagtggcc atagatgaga tctctcttcg gcaaaagcct cattgacgac  
70101 gcgcgaagtc gtggcatgca cctctgggatt ggcgacgcta tccagccaat  
70151 ggcgcagctg ccggttcagv tcatcaaggt ttgcgaagca ggcagccagc  
70201 caaagactct cgtatgaga gctcaagctga aggtcttca ttgactatc  
70251 tcaagtcgag gactgcagtt cgtacttcga ctcaagcgcg ctatgaatc  
70301 gaggtcacgc acccgttcca tggctggcgcc ggcacagcgt tctgtttgtc  
70351 gacgcgcgaag cagagctggg ggcgagagcg cgtcaacgat acctgcaggg  
70401 tctgcgcgag ttgatctgct ggcgcgactg atgggtggct ataggagctg  
70451 atgggttaact gtgagctcta agactgcaag ttgatatata agtccatata  
70501 agtcagcgct ttgatccggt ttgttatatc gacattgcat tgcctctcaa  
70551 ctccctatat attactcgtt atggtttgca tctcgagata caggataatg  
70601 atatggcata taaaagggag catataacgc agcagctgcy cgcctgcgcg  
70651 gaagcgcaga taactgagca gcgcgagctg agcgaacgt ttgcgctgac  
70701 gcaagcactc atctctcaga tagaggggg ccaactggag ccggagctgc  
70751 gcagcctagt ggaatggcgc ccgcgcgctg actcctgat agtcttgcg  
70801 ccgaaaaaac tgatgcagc aatccgcaat actctcgata ggcactgcgc  
70851 atcgatgat gttcctgacat ccgaccagcg caaactggtg ggcgcgcttg  
70901 agcggtggtt tgcgcagcac agggcggggt tctgtagtgc ttccgaagcy  
70951 gatacattca aagatagcct ccgctcttta cggcatcttc ctctctgcgc  
71001 cggaggatg/ gacacattca acgagggcac tgcaagcctc gaccggtcgc  
71051 aggtgatctc tccatccggt caggaaactga gcaggatcgc acatgcgcta  
71101 agacacactac gcaacgcgcg ggtgcacgcg gacgctgagc acgcggtccc  
71151 tgctgtggcc tatcgctgtg atgggaaga cgataatgct taaggtcaag  
71201 gtactcagtg tcaaggtgta ttgggaacgc gtttcgcgac ttgcgactat  
71251 gcaagcactc ccgactgcaat tgcgctctaa cggagcttat atcggaagc  
71301 aaagcgccgc gacgcttagc ctgtccctga aaagccgctt cggcgctcgc  
71351 attacgaagt tcaggcgcta caacatggtg tctccgctct tcttctcgaa  
71401 cctactgcca gaaggacgcg tgcgcgaata cctcgtctgat cgtcgcggtg  
71451 tgaagcgcgc gctgtaattc ctctcgtctt ggaatgctgc ccgcgacctg  
71501 cctggggctg tgaaggtgca tccctccgaa ggggatgagc cgcctccgga  
71551 tgacagcgag gctatctgtg aagcgggccc gaacgcgcta cgcctttctc  
71601 tggcaggtgt gcagctgaag ttctcgggct ttaagaaaga caaaagggcy  
71651 ggcgcgctga ccaattccggc cggagggcag ggtgctctgt ggtatgtgaa  
71701 gctcgcgctc cagcaatata cggcggtgac cgaagatgag ttccgagatg  
71751 tgactcgcg ccgactgagc gctgcgagc ggggtgggtg aactgcagcg  
71801 gatctgcgcg ccgtaaagcg cctgcgcgag ggggtgggtg aactgcagcg  
71851 gcagggcgcg gcgatcaagc gtcttgagcg cagcggggag gggagggctg  
71901 atatcgagga ctttgccaaa gtctctggcg tctttccgca ccaacaatac  
71951 gataagggca attacgggat gatcggcgcg gttcgtggga tgcgaacagc

0939964-082704

72001	caggccgcgc	gtggccgggaat	ctatccgcgc	tcctagatctc	agccagcgtaa
72002	ccgtccaaatg	cgacatccgat	ctgagaaact	ttgtgcctcat	ctatccgatg
72101	ccgtccgcacc	ctggcgcctgc	gccagccagct	gaatttctgtc	cgacatccatc
72151	ttatcatctg	gggggaagata	cgggcgcgct	caatttctcc	cgacacaaaaa
72201	agatgggggc	cgctgcctcag	gcagagatgct	cgacatctggc	tcggaaagagc
72251	gcgtttctgc	aaagctgggtg	gacgcagacg	gcggcgccgc	cggttgaaagc
72301	tttttagggcg	gtatggggag	ggcgaaagaa	aaatctgcgc	atggcgcgcc
72351	aggttcgcgc	ccagctagat	acgcgcgcac	cgagctggta	cgctgatctgc
72401	cggttcgcgc	agatgactgc	tcggcgctgc	ccatcaaatg	atggcgagct
72451	cgctgatatt	ccgctggatg	ccgctggatg	ccatcgatgc	cggttcggatc
72501	tcctcatcaag	accacagagc	ggcgaaatgc	ccatcgatgc	cggttcggatc
72551	aaaactgcgt	cgcgagaagt	ccmgtctcgag	tagccagcct	ctttctctgc
72601	actagacgtg	gcacatttga	agcccccaca	ctgtagaagt	tgctcggaaa
72651	ccggggcgctg	cggttaccagt	tccttttgacc	cgagcgagca	ggctcatcgat
72701	cggggatctc	ttaacagcgt	ggcttatcgct	caaaatgggc	gcactctcgt
72751	gaaggaaatc	tgatttcgtg	gcagcgatc	gtctctctgt	agcgaaagagc
72801	actcgagagtc	ggagatctgc	tcggccgcct	actctggcgc	cggttaagca
72851	agccgctctg	tcggagagatg	tatgttgagt	cgggcgagca	cggtcttttc
72901	tcggcgatgc	cggttcggatg	agtgacagct	tcggcgagca	tgctcttgag
72951	ctcagctggc	cggttcggatg	gggtctctac	accgcctctg	gctcatcgat
73001	gcaggccagct	cgcttcggagc	gggtctctac	accgcctctg	gctcatcgat
73051	gttttagacgc	gcactggagc	ggcggtctgc	ttgctcttga	cggtgtgcac
73101	gcggcagcaag	gtccaatgtg	ccgttggtgat	aatagatgcat	ttgttagcgat
73151	aggttaatgc	cgccagctgtg	ccatttgtctg	gagatgatgc	aggacagaca
73201	tcggggcgaag	ggccatcgccc	ccaaacacga	cgccgatgcg	cgccgcctgc
73251	gcgaatgcgc	atggacagtc	ctacaaagtgc	atgacagtcg	cgcgcatcat
73301	gagccgcctg	gcacccgcgc	ccaatgttagc	agcataaaaa	cccgagagc
73351	ggagagagag	ggttatgttc	gcacagtatg	tgatacagtc	aatggagatc
73401	gcggcgagag	gcggcgagag	gcggcgagag	gcggcgagag	gcggcgagag
73451	cgctgcagca	gttttagagc	cggttcagct	agatgacgc	gcggcgagag
73501	cttgcgcacc	caactcagtc	cgctcagcgc	gtgtgctatt	tcgcgcgcgt
73551	catcgccgcg	ttccctcgcg	cgctcgcctc	tttcagccgc	gccttcagcgc
73601	cgcatccgcg	atgttggggg	cggtcagcgc	gcgtccacg	ccccccggct
73651	tcgggatcat	cgccgcctgc	accagctgcg	cgccgatgct	cttcgagacg
73701	agttctctcc	cgaggccgcg	cagccacctc	tcacgcgcct	cgcgctgatc
73751	ttggcggaag	gtccaccgcg	ccacgcgcgg	cgaaaccgcg	ttggcggggg
73801	tcggcggaag	gcggcgagc	agcatcgatc	cgcccgagat	ctgttggtgat
73851	agacgcagtc	gtcccgagtc	tcgttggtgt	tcggcggtgt	tcggcggtgt
73901	ctcttcggcg	ctcttcgatc	tcgttggtgt	tcggcggtgt	tcggcggtgt
73951	ccccctctcc	accacatcat	aaagcagtc	tcgcttagg	gcctctctcc
74001	ccacgcgcct	taaccggctt	cagcggttat	atccccctgt	cgactctccg
74051	ttcgcagcgc	cgccctctgt	tcgcttaggt	ctccccctgt	accgcctaca
74101	ccctctccac	gtccgcctgc	caataccgcg	gtgtgatgaa	cggttgccca
74151	ttgtcttagc	ttccctcgcg	acgcgcgcct	cccgcaatgt	caggcgcgcg
74201	ggcatctccg	tcctctcttt	cgaggcctgc	tcaggcttta	ctcgacttaac
74251	tcggcgagtc	tcctctcttt	cgccagctgc	tcggcttttc	acgaggtctc
74301	accacggcgc	gtttccacac	tcggcgagtc	gataccgcgc	tcggcgagtc
74351	actatctggg	tcggagagtc	ctctacatgt	gcacacgcgc	atggggcgcg
74401	actagagatg	tcgggttagg	ctctcagct	cccccgatgc	gggaagatgc
74451	atccgcatgt	ctgcgcctgc	aatctcgtgc	ttctccctgc	gcacttcagc
74501	cgcgagctgt	tcggatctgac	tatcgctgtg	atccgacgc	gacactcttt
74551	cctgcgcac	gtctccaccc	ggatccaggag	gcacatccgc	ctgcacgcct
74601	tcgaactcac	cgctctctca	tcgttagaca	ccatctacga	atatttagg
74651	gaactcgtgc	tcgctctcgg	gattcccatc	cgactctgca	agcatctcaa
74701	tcggatctgc	aaactatcgg	gttctcttgc	gaaggtttgc	cgagcgctgc
74751	aaactcgtgc	agcgctcgcg	gaacccgcgc	cttcgcccca	tatgtctctc
74801	aaactcgtgc	agcgctcgcg	gaacccgcgc	cttcgcccca	tatgtctctc
74851	cgattctcct	agcttcgcgc	ggcggaagtc	ctttcgccgc	gaggtacat
74901	cgctccacgc	attctaactg	accgcgcgcg	gggttcctgc	agccgcgggc
74951	tcggcagcac	ttcttcacga	tcggcggtgt	gagagaaagg	tcggcgctgc
75001	ctcttgatgt	ggcgagcgtg	agcatagagt	ctctctccgc	tcgacttggt
75051	gaaggaaaga	ccacagcggt	tcggcgagac	ctttgcccaa	gcgatcgcg
75101	tcgactctgc	aatcgccgcg	atggatgtcc	ct	

75801	aattcccttcg	ccggtgcacg	gatgccttcg	gcgggtgacg	tccattgggg
75802	gcacagccat	aagggacgac	gcgcaggagat	agcgaagacg	tgcacatcc
75901	gaacgtcttg	tccacgagac	cgtagttcacg	acacaaacg	tccccggcg
75951	gcacagccac	acggcagcag	ccggccacac	ataggaggatc	tacagacgct
76001	cgacgccttg	ccggcagcccg	cgtgcacgac	ccaggaagatc	tccacggcgct
76051	acaggtgctg	ctaccccttcg	ccgtgcggcg	ccgcacacaa	gaattgggaa
76101	tgcacagctg	accgggaagaa	ggagggcgctg	cccgctccac	ccgacgcctc
76151	cgactacaat	tgaagcgatg	ctgcagcagt	tccgtctgacg	gtcacctgac
76201	cgcataggct	aggaactctt	gcgcgcaggcg	gagatagccg	gcggccgggga
76251	tcgcagcgaa	tatacggggg	tcatagagac	gcggcaagcg	cgactggcgc
76301	tcctcccttcg	tcgtcccgac	gatccgcgcc	gagacagcgt	tcatggcgcg
76351	acaggttgac	gcgtaccctc	accctgcagc	gttgtctgct	tcctgtcgat
76401	accgacttga	tgcagcggcg	gcgcctgcgc	gggcataggc	cgccgcctgc
76451	ataaccacgc	attctgcgcg	ccgcctgcgc	cgaggttgcc	gcggccgcgc
76501	tgaacgacgc	atgcgcgcgc	gcggatagggc	gatgatctct	gacgatcaga
76551	cagagacgga	tcgtcttaact	ccggctggga	ttagctccgt	agccgcgcga
76601	ccaggcgggc	gagatcgtgc	cgaccccgcc	cattgtcatc	gttgctaac
76701	cgaggaggag	ggcgttaccc	cgctgcctcc	tgaggttcaa	tccaagacg
76751	ggatgtgtca	tttcagccgc	agccctccgc	tctctgtctg	tcagcagctc
76801	tgcctgcttc	ttagggcttc	gatcgttcgc	tattgggcat	tcgagtgcgc
76851	ccacgtgacg	atcgtgttcc	accgcgatgg	gaactccgcc	tctggggctg
76901	gcttccttcg	acgtctgtac	gtccgcggcg	tctctctgct	cgctctcccg
76951	gcgaagcgtc	tcggcgggcg	tcctgactct	tctctcgccg	agacgcact
77001	ccaaacgcgc	gggttagtca	ttgcgctcga	tacataccg	ccacggctcc
77101	acgctctgcc	tggcccccgg	agacacacgc	gcaactctga	tgcacacttc
77151	gcggcgccat	ccagagttcg	ccggcctgata	cgactgttcg	gcgccgctgc
77201	ctgtggcgat	gtaactctgt	aggctctggg	ccagacggcg	tcaatttgtt
77251	tgcggccctc	ccgggcttcg	cttgttcggc	ccgctttgga	gcgaagcgct
77301	ttttctcttc	gcgaacacgt	aggatctcgg	ctgattggcc	atgttgtacc
77351	ccggcgacct	ccgcagcctc	tgtctcttca	gcattcgctc	gacatgacc
77401	gccttgaaag	cgactctcgg	ctgggtagtc	acnagatgga	cgggggtcga
77451	caatctctcc	catgttcttc	tccaaacggg	ctcagctctg	agttcttcag
77501	cgactctcgc	ctctcatcgt	tctgggaaag	ctgcgtgacc	gcgacacatg
77551	tcggcgccgc	ctccgcggga	tggcgccgac	ccgctgagtc	agatctcgga
77601	ttgtctgttt	cttcggggagc	gtccactctg	gcgcttcgga	ggcaactctg
77701	ggggcgacat	tgcagcagtc	atacgcgcgc	gttttggcga	gcgcacagcg
77751	ctcggcgtag	aaggttgtct	tcttgtatac	gagagttggt	tcttctgcat
77801	ttctcttgca	aggagattgc	atagcgcaac	cggaactctg	aaagagttct
77851	ggcgccatgc	agccaccggg	atctctcgca	tggccgggtca	tgcgcagata
77901	gtctcagatc	cagtcagagg	agagcagacg	cgacaacctc	accocgtcga
77951	ctgtgtgcgc	ctggtctctc	tgcattgtcg	tggcatcaac	gtgcatacga
78001	ttgttttgca	agggcgtctc	gacatgacc	tgcagccgca	ctgcagctac
78051	gcgcgtctcc	ctgcagatgc	gggtcttgagc	ggctcttcag	acgtctgcgc
78101	ctgcgcgctt	cttgagcgct	agcgccgctc	cgcttttcag	gaacagatc
78151	gcagacatc	caaaacgcca	ctctcagagc	cttcggcgca	tgcattcttc
78201	tcgagctatg	caactccgca	cgaaaggtcg	cgaggttcaa	tgctcttgtt
78251	ctgcggatcg	aatcccgctc	ccactccgcg	atcagattct	gcagaccttc
78301	gcgcttgtag	tctggaggcca	tcatctctcg	atttgacaga	taggtatcta
78351	ctacacttcc	gacatctgca	cgtgcggctc	cgagcggcgc	atgcacatc
78401	cactgttcgc	ctgtggcgata	gatggtcttc	attgtggcat	aacccagctg
78451	atcggaatct	ccggcgaaag	ctgcacccgc	tctgatagct	tgcagcttgt
78501	acggcaatgc	gaccaggagc	aggtttgggc	cgcccttcgt	cgccgctttg
78551	gcagcaatgc	catctctgcg	cgatgcaccc	atgcggcgct	cgctcagacc
78601	aagaatctgc	tttgtctgga	gcgtgtcttc	atgctctgtc	agcagtgatc
78651	ccggagcgga	tacagctggga	gcggcgatcc	cgctctcttc	cgccgcgcgc
78701	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
78751	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
78801	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
78851	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
78901	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
78951	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
79001	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	agccgcgcgc
79051	ctctcccgct	gcggcgcgga	cctctacatc	cgctgtcttg	

```

79601 catcagcagt cagcggcctc aacgtcgtca toagatggac atgcggggtg
79651 ccgggtgcat cgtgatagac ccagctcgcc acacatccct tggcggtgac
79701 atgcggctcg acgaagtcac gccaccagac gatgtctcgc tggcgtgtca
79751 actcgatcgg caacgcgcat gtgacatcct tggcgagttg cgcgtcgagg
79801 cgtcttttga aatcctcgac cttgtctcag aaggcttcgc aggcgtctgc
79851 gacgcagcga tggcgatcca tcgacgcgaa ccaactcggt gattcggctg
79901 gaatgacgaa ctcttcgtga agaagacccct gcttggcgcc atagtcgcat
79951 gtccggggtt ccgcgtcata gtccatccct ggcagtgccc gatagcgccc
80001 cgacagcagc ggcgtccggc cggcgacggc ggcgagcagc ctagcgggga
80051 aatgagggaac gggccacggca gagtctccgc gattgcacac gaatatcatg
80101 ggttcgtcgg gagcgtgggc cccgcgcagg ccgcacaaaca ggtatcgcgg
80151 acagcagcgt ataatctcgc ccttggaagc cgtctcttcg kaagcgccgg
80201 gatcatccac caaagatgca cgtctaatcc tbtgagat ccagatgcat
80251 cgttccgcac tccgttcgca aaactcggtc tcgaagaca agttctctca
80301 gccacggaga cggaggggat gaagaacct ccttcgaaaa ttccgcagca
80351 aatcgccaa cttcaggaa acgtcagaca agcgaaaccc cgcgaagccc
80401 agcgaaattg ccgagattgc ctgaaggcag gactttggcg aatcgaggtg
80451 gaggaaagcc agcttcaggc agccttcgaa agcctggcaa aacgcttttc
80501 cggagggccaa gggggagcga acggggcttc gagcggaggg aaaaagccag
80551 atgggaatgc acggcgccgc gcatcggccc cggcgtctcg gtctggccgc
80601 gctcaggggc ccaatggcga ggtctgagcg tatggcgagg tccagacatg
80651 cgcgcgcgc ccacatggac acgggggaga agatcgaaact cgcggcggtc
80701 atcgtgaaag cgggtctggc atacgagacc cgaatattcc tggctggggc
80751 gctggtcgac ctacggcgcc gtctcaatcc ggcgaagacc ggcggcgccc
80801 ggttgatcgc gatcggctcg gaggcattcg gcgatgacgg tgataggatg
80851 cgcactcgtc gtgcgcctcg tggctgtgat ggttttgacc ctatcgccga
80901 tgagggggat cgaagcatgc ctgtcgacct tggcgaagac tgacgtcgca
80951 aggtcggctc tggcgggat cggcatcgcc ttccctatg tcacgcgcgc
81001 agcgatcgcg gtgatctccc tgttcggagc cgcggggctg gcgatcatca
81051 agttggcgcg ctggggcgcg ttggcgggaa gcggcgcaac gctatggcat
81101 gcgacgatgc ggcgggctc acgccttgcc gattcgacg cgaaggtgcc
81151 gggcgggcag tcaatgcct cgtatcttga tcatcgaaag ctaatcgccc
81201 ggcggcgctg ggcgtctgtt gcatgtcttc cgtctcggtt cgcgcgtcatc
81251 ggcgaagcgc ccttcgagcg gtttcgagcc agatgagacc ggcggcgccc
81301 ggcgtcgac ggcgaagcgc actgpatgaa catcgagacc ggcggcgccc
81351 tcttctcga tgcggcgccc gtctctatcg gcgagcgtaa tctggttgac
81401 aaggacagca cggcgcgccc gtcttttcgg gcgatgacg cgaacacctg
81451 ggcgcgcggc ggcgaagtcg cgtctgtttg cttcgacggt tgcgtcgatg
81501 cctcgacagc catcgtcttc cgcgggttcg cgggtttcaa cagcagctcg
81551 gtgacaatcc cgaagcgcat caaatggggc gggagcgctt tgcgtctcga
81601 tcttctcaac gaagtgcccc cagtggtcta tgagcatcgc aagcagcgcc
81651 cgcgttcgat ccgcatctcc gatcgaagg aacgggaaac aggatccac
81701 gctcgtgcat gatctggccc gtttcggcga caaaagggag aagcatcgcc
81751 ctggtcgcg tcaatggatc tgagcgagag cggcggtatg cgcgcgtctg
81801 gcgacgactt cttccgggca tggcgcgctg agctcgtgac cgcgctgatt
81851 gccacgctct gctcgtccgc ccacacggac aaagagaacc agactctgag
81901 gcaggttcgg gccaatctgg cggaaacgga gccgaacatg cgcgcgcggc
81951 tgcagtgat ctacgacact tcaaatctgg atttgtgaa agaaatgtg
82001 gcgcgtacg tcaatatgac gcgggaaccc ttctccggcg tctacgcaa
82051 tgcggtcaag gaacccact ggcgtgctca tcggaactac gcgcgaactg
82101 tatccggctc gactctctcg acggcgcgcc tgcggcgccg tgcgaacgat
82151 ggttcacata acattcgacct gaagcattg gagaccatg ccggtcttgc
82201 gcgtgcatc atcggctcgt tcttcaagc cttttacat cgcgcgcggc
82251 aggtaaagg gagggcgctc ttcttctctg ataggtcgcg gcgctcgctg
82301 taactcggga ttctggaac cgcgcgtgat cgcggtcgca agtatgcat
82351 catgctcaac atgatctaac agtcaatcgg ccagatcgcc gagacattatg
82401 gcggacgaga cggcgcgagc aaatggttgc agagcgcgag ctggtattctg
82451 tttgcgcga tcaacgatcc gggagcggcg gactatatct cgcggcggtg
82501 cggcatgacc acggtcgaga tcgaccaggt cagcgcaggt tttcaacga
82551 aggtatcttc aaggacggcg tcgagcaaac tggcgcgctg accgctgcatc
82601 cagccacagc aggttctcgc catcgccgcg gatgaacga tctgtttac
82651 gcgcggcaat ggcgcgctcc gtcggggccg agcgatctcg ttcggcgcg
82701 aagcatcaga ggtctggggc gtcgacagcg ttctcaacg gtcgaagat
82751 gcttgagcc cgtctgcatc tcttcaagc cagtcgaacg agcagggcg
82801 atccaggcg atgagagta tcgggaat cagctgagc gcgcgccaa
82851 agcggggatt tccggctatc tctcgtcgcg aggcagggga aacagggcag
82901 ccgcaggagc ctcaacatag tggcccgag gggagggcg aacgactgct
82951 cccgctctt gcacacagtt ttgtctctcg actttagca acacgtcaaa
83001 agcggacttg ctgtcggtt cgttttcgat ctgcggtgat ggcgcgcaca
83051 tcaactcggt cgtcgatggc ggttctggtt cgaaggcgaa aaatcgcga
83101 ttgcgattt cgcacacact gaagtcggcc ctcgcgatg cgcgagcgaa
83151 cgttaaggg ggcggggggc aagcagcgcc tctctacct gctcaagcg
83201 ggcacatcga ggtctggggc cgttttcgca gcttgagca agtatggcg
83251 caagctcgc acggtgacac gacgggggca cgtcgtggg cagcagctc
83301 gttcatgag gcttgcgac cgcgtcgagc ggtctcgac acgctgggtg
83351 tgactgagc gtcgcgagc aatcgtccac cgcagggggc ggcgacggcg

```

0022801966660



83401 gggggctcgg tgagcgcagc gagtagagcc gtggccata gggctctgcg  
 83451 ccacacatgct tttcttcata acatcagcga tatgatcoga tccgtgccca  
 83501 cggattccaca agtctcgttg gaagcgatag tggggtccag cgtctctgat  
 83551 ctctctgctc cggaaacatc cgggtctgat gtgcagcgcg tggatccctc  
 83601 gagggaatatg cggcgcgtact atgcactgtc gatcgaaacgc aaactcttgc  
 83651 gcgcacatctg cctctcttgc aagtggggtc gcattggaaac caagggacag  
 83701 atgattggtcc atcatttcgg ccaggaaagag gatgcggctc gattgtttct  
 83751 cgactctgctc cgacagaaac gaaaacggcg ttatcgtccg cgactcttgc  
 83801 tgcgcgaagga aaaaatggccc gcgcgaagcgg agcgcgaaag cgtcacctc  
 83851 gcgcggcggtc cagatccgga aggaacacttg gatttagatg aagaacggaa  
 83901 tcttgatggc gagctttaga ccgagcttct ccttcgcgaa ggaatggctg  
 83951 ctcaactttg cgcaggacgc gagccgcttg cgcggcgoga aatgttcggy  
 84001 ggttcgggca agaagcgcgt caaacgcctc gcgaagggcg cagcgccgga  
 84051 agcctcctcg aagacacggg aatggcgctc caccacgcgt tatgggttcc  
 84101 tccggcgccg agggagcgtc cggctcact ccgcccgcta cgaatctcag  
 84151 ggtgtgctat ctgaccggcg tgactctcgt gagcgtattg cggcgcgoga  
 84201 tgaactccgc gaggagggga aggaagaacg ctttgcgaa ccgcgcgata  
 84251 ggcggtccgg gctcgtatga aaaggagcgg ccaacgatat aggtgttgaa  
 84301 ttcactgaag atgatccaga ggcgcgagtc tgcctcaggg ccggcccgatc  
 84351 gcgtctcgat ggcgcgaatt tcagcgcgcg agcgacatcg ctcgggtcag  
 84401 ttggttggtga tcgggaaaaa cagaacacgg tegtctcag gtcgggcgcg  
 84451 cctcacgcgg ccggcgactg caatcactct ccgcgcctct atctctctct  
 84501 tctggggcttg ccgcgcgctg aagatgggat aacggatgac gctcggcttc  
 84551 tggatgcact tatagctgct catcctgagc tctcgtgctg ttcctcagat  
 84601 gctctccacg ccgcctccga tt-cgttgagc agctcctcgg caggggtttc  
 84651 ggtgtgcggc actgaacggg catcgtattg cgcctcagc gtttctgagt  
 84701 cgtcgtatgtt aaggagggcg agggcgcgct tggttcgttg ggtgatcgtg  
 84751 accggatggc gcaacgcctc ggcgatgata tgcgcggact tccgggtatg  
 84801 atcgtttggt gagttagaac caacggggcg aggcattgtt atctccgat  
 84851 gctcttgccg gcggggacca tagcatcaga accgacgcaa atccgggatt  
 84901 tacagtattg ttgtaaatgc tegtatttct ccgggtgaaa ggcgcgcgct  
 84951 gggcgcgagg ccttaaatga gagtatcagt ccgggttggy gcggggccag  
 85001 atgagctggt agcatctctc gctctcagct tccgtcagcg tccgttagat  
 85051 ccggccgggg aagctcgggt cgtcagagctt gacacgtgaa tagtcaata  
 85101 cctgtccgga gcgctccgct cagcgcgcg ctagtctcag gcaactcggc  
 85151 taacttcaga agtgcggggc cttgtccgag ggaatttcga tgcggcgcat  
 85201 gcgagctttg acgttaagcg ccaggggttcg gattgcgcg gttgaagcgt  
 85251 tttcgtttaga ggtgaaggtg ccaatggtag ccattgtcat gttcctttg  
 85301 ttgtttcggg ccgcgccttc ccgcgctcgt atggtgtgto gaaagacggg  
 85351 gggcgatcgg tcgcgaactg aaaggcgcaa acattgtgga gggggcgacg  
 85401 gaagaacttt gttgttcogt gaggaaatga gggcgagcgc cagggggcag  
 85451 aaagtcttga agggcgcttg cgggaagcca atcgagggga agcgtctctc  
 85501 cgttcaggga tgcctcctcg agcccgagaa gtgagcgccg caacatcgaa  
 85551 gagaaggaac atgggacttg ctaagctcgc gttcgtctgat cgaatctcga  
 85601 caaacgcgtc ataggtgaaa ccgctccgga tgcgtctgat cgaatctcga  
 85651 gcaactcgt atggagcttc cgagacgcgt tgcgtctgat tttgcgcgga  
 85701 tggggcgoga taacgagatc ggcgcgtagg aagcaactac caagctccgc  
 85751 gacatatcct gacagtcagc ccgtcagcgc cgacggggcg acgattctct  
 85801 cccagtaaac cctctcgaac agcgttgatc aggcggcaca gcccgacgc  
 85851 ctggcgagct cctgttcgaa agccagcgc acgagtttca gcccttcgac  
 85901 ggtggtgagv taaggaaaaa tegtgtccgc cagttctgct acggttaggc  
 85951 cctgcgggac cgcgcgcgtc cgggtctgga tgcgtctgca acctccgcg  
 86001 gcgaggtagt gcgcgcgag taggcacggg gttccagcgt ccggcgagcag  
 86051 cttgtagc cctcaggttg ccgcgcgcgt gagcctgggy ggcactctg  
 86101 cgagaccgat cgtcaagaca gggcagggc gagcctgggy ggcggcgcg  
 86151 gcttcctgta gctcgcgct cgcctcctgc ggtatcctgc acgcgatgc  
 86201 cgtctggggc tegtgtcgt agcaacggcc ctgcgccttg agggcgcttc  
 86251 tgcgcggag cctgggcgcg tagcgggcca tgtagaagaa cttggtccgg  
 86301 ccggtgaagt ccgcgcggcg atagatgcgc accgggttgg tgcgattgc  
 86351 gctcgtgacg acgatgccgc cgttcagcga gacggcgatc ccatggttgc  
 86401 cgaggccaaag gcggtgatg ttgggggtgc ggcgggttgc gatcagcac  
 86451 tgatggggt cgtatgcgaac gttctggcgc tggcggtgga ccgtcagtag  
 86501 aacgcgcgcc tgcatactgc gttatgcggc gttaggcgat cggggagaga  
 86551 cgttgataca cttgtcctgc aaaaacccgt cagcgcgcgcg ggcactctgc  
 86601 gctcagctc cgggagcagv ccgagcggcg agcagagctt ggcagagat  
 86651 ccggcgcgcg cgaacatctg gggagagctt ggcagagat ggtgtctgct  
 86701 catcagcagc agcagcggcg gtagtctcct gaggctcagc cagctctgag  
 86751 tggtagata ccgacaggtc tegtgcggcg gaatggggcg ggcgcggoga  
 86801 cgtgcgcggg tggcagcgt gatcctgcgc gccgggaatgc ggtgcactg  
 86851 caactcgaca ccgcgctoga tggagcgcgc tggacogagc cgtatagoga  
 86901 tgcggttata gacgggggag aggttagcat acttggcgcg ccgcagatgc  
 86951 gaaacagaca tctctctctg atggacggtt ccaacacagt ccgtcagtcg  
 87001 ggcctggcgg gtagtgccgg caaagcgggc ggcggcgcgct gcatgtgtag  
 87051 gctctctcgc ggcgcggatc aggtctctgc accgacgcg gcatcattg  
 87101 acgaagtgc cgcgatggt cgcgctgcgc atgacgcgag cttgcgcgc  
 87151 ctgacggcg gcgctgacg gcggcgagaa gcgggcgag ccggcgccaa

09936964-082701

```

87201 ccacgacgag gtcataaggca cctccattgc ggcggcttggc cgggaagggtc
87251 cggcttgoga cggctggcgt cttcgatgcc gcatcggacc ggcgaaggctc
87301 ggcggcaaaa ggcggggggc ggcctcgagc ccttcctoga tcgacagcgct
87351 gaagccgggc tcgtcggggc aacgtctgtc ggcgcaggcg tagatagtct
87401 cgtcagagga gaasaaagccc gtctcgggc agagcgcgct gcagccggct
87451 tctacaggga cagttgcgca gctgagtgat ccggatcggc gcgcgcgaat
87501 cagcgcgct cctcgagcgc gctgagtgat gctggtcat ggcgcgagtg
87551 ggcggcattg cgaagcaata catcggtttg actacgtgtc cgtacagcgt
87601 ccggagcggt cgaaggtgca catcggtttg actacgtgtc cgtacagcgt
87651 ccccgatgg cccgtctccc ggtcgtgaa gggataagcg ccagcagatct
87701 gctcgcgcgc gagaacgccc agagcgcgcc ggcgaagttc tgcgagcaga
87751 ggcgggattg ccgcgcgcgc gacttggggc cgtcccgcaa gcgcgctccg
87801 gcttggggct cgtcgcgcgc cggcataact aacacgcgcg atgcgcagcg
87851 ggtccggcgc tctatcatag ccgctccagc gcttgagcac atggtcggag
87901 ccgacattgg ccggcagcgc gttccggact accggcgacg tgacgacgca
87951 ccagttggga aactcacgcg ccggcgccgc ggcgaagctc ggcggtgtcg
88001 ccggcagaga aatgacagcc ttgtccgggg gggagggatg ggcgaagttg
88051 ttatgtgctt cagtgcgcgc cgaagcgccg ttggtcgagc cgggtggcgt
88101 ctccggcgcg tcgcgcgcgc gtcctgtgtg atcatcccc ttgtccgtgt
88151 cagccttgcc atcggcgggc aatcgccgac ctgagggcga tggagcgctt
88201 tctcaaatcc gtccgttgcc aatcgcggca cggcagcgtc ccggagtgtc
88251 cgttgatoga aactgtgttc caggagcgaa ctgtcaactg atcgctgggt
88301 ggccttatgc agcgcgcgcg acctgttccc tctgagcgtc cgtctgtttg
88351 gcttgcatcc agtcggcgat ctgctgcgcg ttgctcgccg gactgaagat
88401 ggcgcgctgg tcggagcgca gcgcctcgag ccaggaggcg atgtaccggg
88451 cgtggttggg tctgcctcgt acgtgaggt ctgagtcggc gcgatcatct
88501 ggcgtcaaca actcagacgt gacttccctc atagcgtatg ccggcagcgcc
88551 gaagcctcgc gaagatagcg gtcggaggcg gtcgcgcgcg ctcgggaaggt
88601 ggcacattcc atggcgcaat accggtgac ctgagcgac ggttaataggt
88651 caggcgcaat ccggcgtatg caactgtgac gtagcgagcg cagaacgctt
88701 ctggcgaccc ccgtggcgga tgtcgtatgc gaaggagcg cagaacgctt
88751 cggccgcgctc gatccgctcg gctcggggca gacccgggat ctcggggcgcc
88801 ggtgagcgt cgacccgggc cgagttgaat accggtgtag ccggggcgaa
88851 cagacgcgcg gcgggctcgt gacgatcttc gtcgcgctg tggggctcgc
88901 ccgctcagc atcgggtcgt tcccgagaca gcaccaagtg acccgctcgc
88951 cccctgggaa cctgagcgtc gacgctcgc cattggcggt aggtgcacca
89001 gatcgccggc gcatagccct ccgctgcgc cgcagcccaa cggcagagga
89051 ttctgacgac cgcataagcc ttgcttgagc cgcgcttgag ggcgctggcg
89101 ttgctgacgc cgcgctgagb cgcgctgagc cgcgctgag ttggcgagcg
89151 ctgctggcgc ccgctgagc ctgctgagc atgctgagc ggttaataggt
89201 ggtctcgggg ggtcgcgtct gtcgtatctg ctgctcctt aagctcggcc
89251 tctcgttoga cggcgagcgc ccsgggcgag acgcgggagg ccgcgcctc
89301 acacccgttt ctcggtgctg gtcgggaaac ggttgtagg gctggcgagc
89351 tctgccaacac ccgagccctg cctcgaaggg cagctaaag gaggcgaga
89401 tcatgatcgg cgcgcgggga acagagcggt tagatgatgc gcggtctct
89451 cagccggcgt cgtctcgccg cgaagcactt aaggcgacaa cctcggtcgc
89501 aacagatcgg ccagcgtctct tccgcagccc cttogatgac ggcctccgct
89551 cggggtatgc agccttgcca cggcccgctc agatcagga ggcagctcga
89601 gtcggaagca cgtctggttt gacagagcc acatcatgc gctcgagagc
89651 ctgctgaggg atactgggct gaagatgagc gactgatgc cgttcacca
89701 ggtcctcgcc tctctcgctt gaacgggccc agggggggcg atgtctggg
89751 gtcgatcagg catcaggacc aggttcggct ggcgaacac ttgcagcggg
89801 cctttggcat cagtgtcgtt cttcaggcag gggcgagtcg ggggatcgaa
89851 gaagcagcgc gccagacccc gacatgcaat gttcgtcoga ggtcgcggc
89901 cattgtcggg agccggggcc gttccgcaat catgcgcgga agcggcgga
89951 gttctgcoga tatgcgtcca agcgtcttgc cttatgcggc ttgcgcgggg
90001 tacgggctgg gtcgcgcoga cctggcgagc gatcatgca ttcccgctga
90051 tggaaagaca atccctccca ctcggaggtg gatcttatt ggcataagct
90101 atattggcct cgtcgcgcgc gctgcgcttc gatcttatt ggcataagct
90151 aagcgacgca cgaagcgttc gtcgagcttc aggtatgct ttccctga
90201 tcagcgggat ctcggcgaga gatctactt cggcacacca tcgaaggcaa
90251 gatttttoga tgggtgagag catggtttcc caaatccaac cgcgcgatta
90301 tgcactagcg accatcggtc tcggaaacaa agagcatcgc cggcgaaagg
90351 atggcttaca ggcggccata caactctaac gactcttga tggaggtgaa
90401 cgaagcgagc gaagcccaat gctccctcca tccggcgaga ccacccctgc
90451 ccacttagtc cactgtgagt tcaagttcga ttcgagctc agcagcagga
90501 aagcggtctc cgggaggaag ccgaacttcc catgagaga tccctctgct
90551 ctcggcgagg tagtttaag ccatacgcga ccgcggctgc cagcgcgcgc
90601 cgcgcgcgc cctcagaga tctgagtggt cagcgcgccg gctctcgcgc
90651 aaatagcgc ttcaatcggc atgactggcg atgctgagc atgagcaga
90701 ttctatgagc tttccccaag ttgaagatg caacccctct ggtggggccc
90751 ctttgcaact taattcaatt ggcgaatta atctctgttg caacagattg
90801 ttcgaaacgt ttgtcctaag ccggcgaaga atgttggttg ccgcgcagga
90851 tttcgttagt tccggacgcg ggcgcgcaga aatggtggcg cgtaaaggcg
90901 ggcgaattcc ggcagggaac ttgctcgag gatctgttt aagcagcaga
90951 gacggcgagc atctcgtgtg gattagccgg ccgtgggtga ttagcgctta

```

00939964.082701

91001 gtatggcgctc atgaacagggc gtgtcaccgtt gttttccatcg gggatgtgac  
 91051 atggcgagtag cgctgatttc taagtccaata ttgctcttat gttgtctgtc  
 91101 aaatgtccagg gcagaggcggy tgctttccagt gaacccgtcca ccatactgtc  
 91151 tggggcccatc caagcgaacac atgttttagag tggccaaaacc tgaaccggag  
 91201 ttggttctcac tatctgcgca ccggcggtatct tggggaggtat atcccgagaa  
 91251 ctccagctcac gccttcgagg agcgcttgaa ttccacagatt gagcgccgtg  
 91301 aggtcgatgc ccgctttacc gcgcgaaggy aagtcattct atctccagat  
 91351 taccaggatgg agcgcgagtc cactggaaac ccgtctctgt ccgacccaga  
 91401 ctactcgaca gtacagcaag ccggtctacg agcccgctac ggcgcgtgtc  
 91451 tcaaggatct gcgagcagcg aacgcgaagt tcaagaagtt ttccgpcgpc  
 91501 cttgatctgc tgcgcgagta ggtcacagat gatggggcatg gttatgtgat  
 91551 gatcatcgat gtgaagaggg ccgttgacga tccaggtcccc actgatccca  
 91601 tccagctcac gcagcgttgc cttgatattc tccggcccaa aaagaaccca  
 91651 aagctcagca aggcgtgtgt gtttaagctt aagcctaagg atcgcggtga  
 91701 tattggtagc ttctgtaact ggaaccacta ccgactccac gtcactgggc  
 91751 ggttgatcgt agttgaaact ccggacgata agaacgttaa ggtattccac  
 91801 tatgatcttc acgaagatcc aatttacgat cagtggaatg tggcgccgtt  
 91851 ccccgctccag ttgaaatga accaatctta cagggttgac ggtctctaga  
 91901 cgtctatcga ctatgtcgat caaagcgacc gttctggccc ctatcatgaa  
 91951 agtaattctt accgagaggy ccgtgcacac agcgccggaa aatgttgttt  
 92001 tgagatcaac accgatccca gatccgttgc tccggagagt atagtgtgat  
 92051 actatcgccg cgaaccggaa atggcgatcg tcaactgtac gaattctgac  
 92101 accactgact ggcgcgagct ggttcgcgac atgctgcgcc agttggggcg  
 92151 ccgcaaaccc agcaaacctga gcgctgaagp taagacctac cgtctagatg  
 92201 ggaatcttcc aatgataact ggaagacaaa tctctctacc actctctgta  
 92251 atagcgtgtc ttggtgctgg ccgaagccaa gctgcgcgat gttccatgtc  
 92301 gactgactgc cttaaagagc cctcgccaaa agtctctcag acactccacc  
 92351 ccaaggtagt gcctgttttt gcgcgattat cgaagctgta tatcacgac  
 92401 ttgctgtcga atgagagata taagtgctct gatactacca agcaggaatt  
 92451 tgactatgca cttactttaa cctcccgctg cgcctctcaa atgttgttt  
 92501 tccagacaag agagatgcgc tggatccagc gggccatggg gttccatgtc  
 92551 cttttgctgc aaagacccc cgaataatcg gtttccaatg cgggtagcac  
 92601 actctcgcta ttaagttcca attccaacga ccgtactgt tcaatcgctt  
 92651 taggcgccaa gccacgctca agtggggcaa agtggctctt tggccaaagc  
 92701 ttgcttcaag gcaacaaggy ccaaacccga tattggcaga agccgtggga  
 92751 tatgaactct ctgggaccaa cggcgagctt ctcgggaacc gagtggtatc  
 92801 attacacott cactccagac ggaaggttgc gcatcgacgc ttccgcgccc  
 92851 tacaactatt ttctgggctt tacogcttcc cagtgaggat aggcgcgtgt  
 92901 tgaagtgagg ttcccgcaatt ttcccttcca caccggtcac cggcccaacc  
 92951 ggcgcagctc cgtctctgtt gactctgggt ggcactgggt tatttgctg  
 93001 gctgtgtgpc cggcgaacac ccgcgcgagc agcgagcga tataggcatt  
 93051 gcccgcgctt gaggagagca caatattctc agcccccgtc tagatgaag  
 93101 aagtatatgc ttaccagaat tccgtcgaggy gaagtatttt tctcagcgtg  
 93151 gacatgcttc cctgcaacag cggccagctac ctttcggtc gaattagtac  
 93201 tccctgcggt acaggtagtc ccggcaatcc gccaccgaac attaatctgt  
 93251 tgcctcagca taggatcagc accaatacca atcgttaggt cgtggcaagc  
 93301 aaaaactttg ctttgctcca acgacgattg aaagattttt caaggccaag  
 93351 aggtcgatcc gatgaccagc aaactccggc caggccgaga ctcoggtctt  
 93401 gcccgccgga ttctctgacc aatgctaact agaaagatct gctgaagaga  
 93451 ccgcgggggt ttgctgtgag ccacggcaga ccggtctgag ggcatttgct  
 93501 ggcgatgggt tcttcaagct gcgaagctga cgaagatctc tgcagactgt  
 93551 ctgtgtgacg cttcgagcct tccggcacag tgcgcagcgt ttccgctgtg  
 93601 gccgcgaaga gcaggccgta gacgagcgc ttgtttggt aggcgatcga  
 93651 ggcgatgggc tccggcagtg tgaagcagac atgaagatcc tgtgtgtgga  
 93701 gcaactcggc gccggcatcc tccagccatt gcgcacgggc gagcgatgtg  
 93751 cagcggggac aatgcctgtc acggcagcgg ttgaaggaga tgcgcggcta  
 93801 gccgcattgt atcgacagct tgcagctgccc ccgcagcgc ggcggtgggg  
 93851 cacaactcga tccgcgtcat gacgcagcgc tgaagcgtgc acagcgagct  
 93901 gtgtgggca cgtatgagat ggcgatgact aggaatata tccgcactct  
 93951 ccggcctcga accggggcatg ggcgcgagtt cagaagatc aggcctaga  
 94001 ggcgcggggt gggcgctgt gactgggaca agctcggaag aggtcttgga  
 94051 tagcgagac ctttgtgtgt gcatgggca ggtagtgggc ggtggttgcg  
 94101 aggtcgcgtt gaccagcagc ccgctgaatg gtcgcgcgt ccgcccgcgc  
 94151 ctccaggaga ttgacagcga aggcgatccc caagctgtgc ggtgtcacgc  
 94201 gttttgcaca gggggagaga tctgtgtggt tcaagcaggc ttgcaccaat  
 94251 gcaatccggc taattgggtg acggcgccga tctccaggga agagccacgc  
 94301 ctctggcgcc cacatctctc aatagtccgc aagvatctgt aggagcttgg  
 94351 gcgacagcat cacatagcgg tctctttggc ctttaaccat ctcgacacgc  
 94401 agaacatttc ttctggctgt gatataccta ggtctcaagt gccacgcttc  
 94451 cgaatccgca aggcgggggc atagacgcgt ctcaggatgc gctggtatct  
 94501 tgaactccgc cctctgctgt gactgtgaga agctcggaag ggcgtttccg  
 94551 atgtctgccc gcttttggcg ttctcttccc agccgcata cctctttagc  
 94601 ggcgcagctc cttctagcgt tgcagcttga gaaaagcgc aacgcgcaaa  
 94651 ggcgcagtggt gatcgagcgc ggcgcacact tcttctcgtt ggcgcagatg  
 94701 acctgatagg tccgaatata ctcggcgccg agcaagtcgc ccgcttgcgc  
 94751 gaagtctcgg ggtcatgat agctctctgt cctgatggga taggctgcca

0933064-062701

94801 aacagcgcgc tcactccctc gcagttgggg ctccatcaga atacatgacc  
 94851 tccttccgcg atctgtgagc gcagtcgcgc gcagttgcgc gctttccgcg  
 94901 gtccggtcgc gcttcgcgcg ctccggtcgc aacccgcgcg gcttcgcgcg  
 94951 ccgggtgcgc gcttcgcgcg ctccggtcgc aacccgcgcg gcttcgcgcg  
 95001 agccatcgca gccaaagcgc ctccggtcgc aacccgcgcg gcttcgcgcg  
 95051 ggcacagccc gctttgtcca agccgcgcgc catcatctcg acgttcgcgc  
 95101 ccgcgtagcg atcgctcgtg gccacctcgc cgttcgcgcg ccagccgcgc  
 95151 atggtcagca ggtccacacc ggaatgcaga agcgtcgcg ccagcgtctg  
 95201 acgctatgtt ttctgtgcag ataggcgcca ctatctacc ttccggacta  
 95251 tgtcgggtag ctttgttcgc acggtaaat ctctgagga taaggattt  
 95301 tcctacagag ccgctcaggg caccgcacat agtcaacccg gttccacagg  
 95351 tgttcagaga ccccaacaaa ttgtcatcgg gtcgaagcg ggtgactgtg  
 95401 ccgaatgctt ggcgaagcct tgcctagcgt gctcctctca tgcgcaagct  
 95451 ccgctcagga taactcgtg acgcccgcct ccaggaggtc catgcccatt  
 95501 aggcgattac gcccgcgtg acgcccgcct ccaggaggtc catgcccatt  
 95551 gtgtgcctcg gctctggcca ctgggaacaa ggaatctctg gttccgcgcg  
 95601 tgcgctcgtt tcagcgagtt ttccaacact gogattgtg acttgcgcaa  
 95651 cggagtcgag cgttcccccg gcaggtggcg cccgctgcg aagacacggc  
 95701 gtttgtgtgt aggcgaatcc gagcgacgag ccagttgcg gtaacgttcc  
 95751 gcagcggcgc agccgcgaag ttcaaggcgc ttggtgacgt ccgaacgtgc  
 95801 catgcgcctt ccgcccgcgt tgggaacag gaagttctcc tgcgcccgcg  
 95851 agtccacacg ggttttccag ttcccgatca ggttggcggt cgtacccgac  
 95901 agcgcgcgcg tgcggtcttt ggcgcccgtt ccagtcaggt ccgcccgcgc  
 95951 ccagagctcg ccagtcaggt ggcgcccgtt ccagtcaggt cgttcagaca  
 96001 ccgcccgcgc ggtgttatcc atctatgctg ccagcccgcg tccgtgtgct  
 96051 ccgcccaggt ccgcccagac ggcgctcga agatgcctg catcatgagt  
 96101 atctcttgag acgttcgcgc gctccgagca ttactcgtga caagtatcca  
 96151 aggtcgtcca caatccagag aactgcgcgc cggcgcccaa aaatccgcgc  
 96201 tccaatcgca cttgcacaga caattctggt ctgtccgctc caaagttctc  
 96251 cgaattgtat caagtccggt aagcgaaaga cggcgccgtt aactaagtaa  
 96301 agcagcaaac taatttgacc aagctccacc gcacaaaggg gagctaatcg  
 96351 agtcgagcat agaacctccc aacagtgaaa caaagattgc cgtccacgtg  
 96401 ctgcagcgcg tgcagccgcg gtcgaacatca gccagccgtt tttagccgat  
 96451 tgcgcaatcg gactcaatca agatattgta gcagcgttaa tgcctctccc  
 96501 ccaatcaaga agcacaaggg caagctatgc ccagctatga aactcaatga  
 96551 gagatttgtt acgttagcat ggtttcgctt gctcctcgat gcttcggcca  
 96601 aacaagaacc ccaaacagaa gaacggatag gtatatctca gcaatggtac  
 96651 catcgataat gtgataggca taagttcgat cacaattgca gcgcgcgaca  
 96701 ggaatcattt cgtataaagg atgaagcgc caaagagctt ttgagaagaa  
 96751 aagaagcaga gtactgcaca caagaaccaa tatgtgcaa ccaattcagc  
 96801 tgaagaagtc agaagtcgcg cagtcacgac gctgaagta aaaaacgcgc  
 96851 ctgagttggc tgtttcaata agtcgcgacc aaaaagcat ttgaatcagt  
 96901 aatgcacacg ccagtcaccc gcagcgcgga caaaacgat ttccgcgact  
 96951 gcttccagaa gcaagatcc cacttatgag ctaaaaggtt ggcattgtga  
 97001 acatatagat cgccttaaaa taccggcgca accaaaaggt atctgtgt  
 97051 ccatagatca ccaattgtta tggatgaccc aaactatcca aaattatgag  
 97101 aatgcctttg acaaaatcaa aggttatatc gcaattgttc gccctcgcgc  
 97151 agcagcaacc ggcctccaca ggggggagct cggcgtaccc catgacccgc  
 97201 tccataattt tcactccagc agcggtatgc attctgaat agcagatcgc  
 97251 gagacttgga acaggagaaa atcagttgct gctcaacgtc cgtctgcacc  
 97301 cggcgatgac atctgacttg gctccctgca gatccacag ataactaatc  
 97351 ttgtttagat taggccttgc gctcaactta gattgctct ttgattgtct  
 97401 actcaactgc ctcaatgaag tgaacttaca ggcgcgctct tccaatccgc  
 97451 ttctctatgc gctcttccga atcattgttt gctcaactga aaagctgcgc  
 97501 gcaattacat gcaattgtga tctaacgctt caaagctgcg aaagctgcgc  
 97551 ccgtgaagac ggcgttgccc gcaactgttc cggccacaaa gatgttcaa  
 97601 aatgtaaccc ggtatgagct cccacgtctc cggtgatcg cggcgcgctg  
 97651 cgtagcggat cggcatccag tatggcgcca tggcgtgcac ggcgcgctga  
 97701 ataaaggcgt agcggttaag gagaagtcct ccggttcgcg agccctcgtg  
 97751 tggcggttgc ggcagcggac ggcgcgcgat ctgcgcgacg tgcagcaga  
 97801 tggcgagga caggctgtga ttgagttac cagcgtccag caacggcgcc  
 97851 cagcgcgcca aactgagcgc cgttcgcgcg tagaattcct gacacaaagg  
 97901 gcagcgatca acatcaccat ggggtttggc cggctgcgcg gctcgaactg  
 97951 gtcggcgcg gctcgaagac gttgctgagt tctgtatggt gcagcggcag  
 98001 cggcggtatc cggcggtgct cagatccact cgaagcgtat aatagatgag  
 98051 catcagtgcc gacgacggcg aactgagcgt tcagcagctg cgaagatggt  
 98101 ggtccggcca cgtatcgccc aactgagcgt tcagcagctg cgaagatggt  
 98151 ggcgataggg tgcgcatcaa cgcgagcgt cagcagcgt tgcagttcct  
 98201 caagcggcat cggcgcgccc gccatgagc agcatgtgtg tgaattggga  
 98251 tgtcggctta tgcggcgctc tgtcgatgct gctcggcgcc cgccttccag  
 98301 ttccagggga gcagctcgtg cagctgatgg tctcctggt catctccgac  
 98351 gaaatctatg aacatgggga gaggtatggc gaagatcccc gaactccaat  
 98401 tcaacccctc ggcaggtgct ttctacgctt tcaatggcgt tggcaatctc  
 98451 atgttgaga agccagcgtt cgcgagctat ctgcgagctt atcagatgat  
 98501 cgcagcctat cctcccaagc atattggtct cgcagcgtt ccgggtgctg  
 98551 ccttcggctc gctctgttcc atccgctgt agattgcgcg ttggagcgcg

98601 gaaactcgaaa ggcgggtgtga agctctgcgc aagctggttt cgtcgettag  
98651 caaatagcga tcgaggacta aggtatgcgt ccgatgaaca gacacgaagt  
98701 tgcctctgtc acaggggccc cgagcggtat tggaaaggca atccgctgtt  
98751 agcttgcttc ggcgcgggtc aggtctcttt ctcttggcag ggaacgctgt  
98801 gcgcttgagc agcttcactc gaacgggggg atcgtgccc tcgtgtgtga  
98851 tctctctgac gtttccgaag tctatgggaa aatcgcggg gaaagaatgy  
98901 acgtgctggt gaacaacgoc ggtattacta ccgcctcggc aagcctcgtc  
98951 gacctgtctg aagacgatat tgaocgaatg atcgacatca accctgtgtc  
99001 ggttcttcag ctgacggggc atgtcttgaa gcagatgac gaacatgcgc  
99051 ggggctcatat tcttttccac ggttcaagcg gcgccttgc cctctatccc  
99101 aactctcccg tttccggggc gaagaaaggcg gcgcctagoc tgtttttctc  
99151 tgcacttgccg tggagcttga tgcgttacc gctcagggtt gactcagggt  
99201 ttcggggggc cgttgagaca aaactcttcc cggacagctc aggaagaag  
99251 gggcgcaaga agaagctcta cgacgcacat gaggcgatcc agcccgaca  
99301 catggcgoga ctgctcgcta cggcgctgta gttgcgggac ttctgtgagc  
99351 taacccgcct ggaagtgatg ccgacggggc aagtatgcgg cggcgccccc  
99401 atgtccaaac tttctgttta actgcgaacc ttggaaaggaa aagatcatgc  
99451 aggttatgaa catcgccgtc gtcggtgtgt ccgagcggtt ccgctcogaa  
99501 accgcaaaagc tcatggttgc tgaacgctgt tcgaagatcg tgcctatoga  
99551 catcaatcag gagcgtcttt atcgagcgaa gggagagctg ccgggaaag  
99601 gcaacgctat gcaacgggtc gtcgcggaca tgcgcgggtc agaaagggtc  
99651 caagcgtttc cgcctcggac ccggcggaac cgtcgttga atccagctcg  
99701 aatttgogca gagaatata cgccttacc tcaaggcgac ctatcatatg  
99751 atattgggga cgtgaaat gctatcaaca tcaaggcgcc agggcgaggt  
99801 atggtggggc cgttgaaaga catgcagggc cacaaggccc agggcgaggt  
99851 ttcgggagcc atcgtcaaca ttaactctgt cgcagctttc aagcgccagc  
99901 cgcgaagcc acactagccc ggcagcaagg ccgcggttgt cagcttgacc  
99951 cgttcttttg cgcattggtt caacaaggat caggtttctg tcaactcgct  
10001 cgcgcggggc ggcattggca ccgaaaaagg caaatcttct ggtctctgc  
100051 ggcagcttgc cgcggccaat ccgttggggc ggtgtgogca accagacaa  
100101 attgagaaat tcttagtgat ggtcggggc ccgaagata catcatgac  
100151 cgttgagga cctcgtctct catctacccc tgggttggtta tcatcagcct  
100201 cgggttcgga ctgacctctc ggtgcgacc cataggtatc tgaatagcaa  
100251 gaaagtgaag ggcgagagca tgggaaagcc cttaacgggg cgaagagga  
100301 gctgtatcct tgtccagccc ctcaggatcc acggttgga accgctttc  
100351 ggcgtgccc ggcaggggta cctggggggc cttgaagcct tccacgatgc  
100401 cgagcgtgag atcaggttgc tcaatttgcg gcaggggggc gggcgggcct  
100451 atggcaaat caccgggcaa ccaggcatct gcttctgccc accggtggcc  
100501 ggcgcaccca atgcttctgt tgggttgcat accgcttcc aggtatcaac  
100551 ggcgatgctc ctcttcaatc gccaggttgc gctgaaacag accgagcgaa  
100601 aggcctttca ggcgatgac tatgcgggca ttttgcggca ggtgcgaaa  
100651 tgggtatgag agatcgagga tgcgtctgcg acccgggaac tgcgcagcca  
100701 ggcgttctat cgcgcggccc aatggcgccc cgggaccgct gctcatcgcc  
100751 ctgcgggag acatgttgac gaatcgccg acggtgcgc ataacccgc  
100801 ttacaagccc gtcgagacct atcgccgtca ccgcgaactc gatgagctg  
100851 ccgaactgct agcgaagccc aagcatcgt tggctgtcgc cgtgtgtccc  
100901 ggcctggagc agcagggctgt cgcgcagcct gcttctcttc cggaaagttt  
100951 ctcaactgccc gttgtgctct cgttccgctg tcaaggatat ttcaacata  
101001 tacatgtcaa ttatgccgtt gacctcgcca ttggcggggc ggcgaacctg  
101051 attcgacaca tgaaggactg cgcactgccc atgocaatg gcgcgcctct  
101101 cggcgaaatg agacgggggc cctattcgt cattgatac cggtcgggct  
101151 agcagacccc ggtctatatt caccgggggc cagaagagt ggcgcggctt  
101201 catgctgac cctgcgctat caatgcagc gcgtgaggt tccgtgcgca  
101251 ggcgaacggg ctgcgaacgg cgttgggccc agtctgggt gatgagga  
101301 aggttgccga tgcgcgatat ctgaagaac ccaggtgccc cggcccgctc  
101351 caaatggggc aggtgatggt atggctcgt gctcatctgc ctgacgatgc  
101401 cattctgacc atgggagccc ggaattacac tgcctggggc catcgtctct  
101451 accagtacc cagcttccgc accagctgc gccctacca cgtctcatat  
101501 ggcctacggc tgcggggccc gattgcggcc aaattacgc cgcggggag  
101551 gacggtcgtg gcctttggcg gcgacgggtt ctctcaatg aacgggagc  
101601 agctggggac ggcgatgcaa taagcgttc gctcatctct cctgtctac  
101651 aaatagggca tgcagggcag aatccgatat caccagggag ggcgctatc  
101701 ggcgcgctt tgcggagacc ggcgcgcat ccgcacttgc cgcctttgc  
101751 cgtctgaca cgtgcgctat caatgcagc ggcggagctt ggaatttgc  
101801 tgcagcctt tgcgcgctgc gaagcgtcgg gcagagcgg gctaatgcg  
101851 atccgcatg atccggagc gctgacggcc aaactcgac cagatcgtg  
101901 aataggcaat cgcgtcgggg agatatcagc aaggggggcg cgttactccc  
101951 tccacttgt ctacgattgc gogaagaaga tccagatgc gctacacggc  
102001 ccgcctcga acgttggtag cgttogaaca gctcagtgga gaaatgcgg  
102051 gagcgatcct ggcgcaacgc cagttccagt ttgcgacccc gctcatgag  
102101 cgtcgaacgc tagtagccgg agcggtagcc gagcggctct ggcgtgggt  
102151 cgcctttccc cgcggggggc gctcgttcca tctcggcttc gagcactcc  
102201 tgcagagcc cgcggagctac ctgcggcagc ccactccgggt tgcgaagcag  
102251 atcgtctat tggcggttgc gctgagctgc gctgagctg gctgagctg  
102301 tagcgttct cgtgagtcaa cctgcgctgc tagactaac cagctcgtc  
102351 tgcacggccc tgcgagaaa tttgcgaac cttggccaca ctacccggt

0939964-082701

102401 gtttgtaccc gtgactacag tgttcgcgcg aatgaaccta tggttgtccc  
102451 gaacgaacaa gtgcgaatcg ccgtgctgaa ggaatcggta gctgaacctt  
102501 catttcccc ccagcctttt tgattattct ttccaggagag cgtacccgaag  
102551 ccacgcgaagg tcttgtcttt cgaatgagat ctccaggacc ccattgacga  
102601 gatttgtctc atttgtcagt tgcatacaag cctgtctcaa cagcttgtatc  
102651 tgcattgtga ggtccatgoc ggggtggcgt taaggacgat cagcccccga  
102701 tggattggga cgtcggcata ttgcaccttg tgcgcgcggt tctcttttgg  
102751 tccccggaaa tgcacgaat tcttgtgac aaactgtccg tgcctctcaa  
102801 ggaatgattg ttaagctcc cagtccttca ggcgcgccag ttctatccag  
102851 agacatcgtc tctgttcgoc gttgcctttt tccatagccc ttcttgccag  
102901 tccaggtctc agacactcat cgttgcgaat ctctatcccg tctctctgag  
102951 acgggtgctc cgaactatgt agacatgac ccagcctctg ggaagcttga  
103001 ccagagcgcg ccgcgcgcgc cgcgaagggt tgcctccg tgaatgtcag  
103051 gcaagcctta tttttccgc gtccaggcta ggcgcaggct ccagcatcgc  
103101 ctccaccgaa tgcacggcag ctaaggatgc ggcacactca tagaccggaa  
103151 ccgggggtgc ccggacgaca ggcgtadccc caagatgct gggcgaggat  
103201 gtgcagatct ctctgtctgc ggcgaaggtc tccagtctgt cgtcgcacc  
103251 tctcataaag ggcataaagt cgtctgtcag aaactcgtg tgcacggctg  
103301 agtctctgcg caacaggcgc gacacaggga gctacgcgc tcttgccat  
103351 ccacctctct ctatccggat ggcacaacga cgtctctccg aggtgacgag  
103401 ccggcgtctc tgcgaataga agcgtctgag ggcagccgag ccggcccgga  
103451 catgggtcgc gtttgcgaag gacacgaag ctctgtgag aatatgtca  
103501 tgcattgacg gatctgacgc cgtctgcttc acgcgcgaga ccgcggcag  
103551 ctctgtctgc ttccagcatt ccgcgaactg ggcctatgtg gctccatat  
103601 aatgctccga tccgtgcgaa tataaatgt gcaggtgctc atataaggt  
103651 cttgaagcag aatgggttag catgcctgca tgggtgggag cgtgcgacac  
103701 tgcattgacg ggcgggaaga ggggtctgt tcaaccgcco tgcctccgcg  
103751 ggcgcaatcc aaatggcaat ggtgtctgt gttaaatatt ttgcagggtg  
103801 ttctctcagg agccttcaat gttctcgtg cgtctcgcgt gttctcaaca  
103851 agatcgaaac ggtcgcagag ttgcctcagg tagtccgct ccgcgcgcaa  
103901 cgtccagctc ggcggtctgc tctctctgag catggccgag ttgcttgcg  
103951 tccagcgcac agcccgctga atctgcaggt tccactcgg gatccgaa  
104001 cctcgtctcc agcacttgct tgcatttgct tgcatttgct tgcatttgct  
104051 gagatgtgct ttggagatat ccagcaacgc agcacccggt tccggagcga  
104101 ggcgcgcgcg cttggcgact ccgcgcgtg agtttcgat taacgcggca  
104151 atctcccgag cagcccccgc ggcacgctgc ggcagttccc gcaactctg  
104201 ccgcaaccag gcaaaacct tgcggcctgc ccgcgcgcg tgcctctgca  
104251 tgcgcgcgtt ggcgcgcgag agattgatct ggaatgcgat gtctgtgat  
104301 acctcgatga tctgcccgat atggctggag ggcgcctcaa tgcgcccat  
104351 ggcgcgcgct gcaattgcga ccacccaggt ggcgcgatgc gctcttgcg  
104401 tggcctctgc cgcgctatga tccgcttgct ccgctggcgt gctcttgcg  
104451 cggatgtgag cgcagatctc ggcgctgctt ggcgctgctt cttgcgga  
104501 ccgcgcgtgc tgcctcgtgc gacccgagag cctctggcgt cctctggca  
104551 tctgcgcgcg tctctcctgc agtcgcgag cgtctgcg gatgtcga  
104601 aggggtttgc tgcgcgcgcg gacgcgcgcg ttgaaatcgc tgcgcagttt  
104651 gtcacgcgcg ggcgcgaagg gctctctgat cgttgaggtc agcgcgcgtt  
104701 ttgcctcgcg gtgcgaccca tctgcacgt cgtgcactgc gaaggcgatt  
104751 tctcgtgtgc ggcgcgaact ttccgcctgc ttctgcacg gctcgggatt  
104801 ggcgcgcgag cgtctcctgc cgcacgcgtc ttgcgcgcg atcctcgcg  
104851 tgcattggtt cttgaagcgc tgcagggcac ggcacatct cgcgatctg  
104901 tgcgcgcgtt tccggttagc gacacgcgtc tgcagcagcc cagccgcgag  
104951 attgcgcgct cctctgtgag cgtctcctgc tgcgcctctc aggtgcga  
105001 ccgcgcgcgc gtcgcgaagc aggcgcgatga taacgcgcgc aacatgggag  
105051 ccgatggaca gctctattgc atcctggctc tgggcgcgcg cgcgcctcgc  
105101 ttgcaggtgc ggcgaacgcg atactctgct cgcgatagtc tgcattctgc  
105151 cgcgcgcgcg cttggaattgc tctgtgcct tgcgcgtgag ggcgacaagt  
105201 tgcagcgcgc actgttcaat ccgttcgaag gaggttcga gcttggctga  
105251 ctgctccccg ggcgaacgca gatcgcgcgc cgtggagctc agcgcgaaga  
105301 ggcggttgcg gcaattgcgc aggtgcattg ccaatgtcga ctgctttctt  
105351 ggcgaacggt cgcagatgaa ttgcgcgaat ggcagtcgcg tccagtgag  
105401 ggcagtcggt agatgcgcgc tgcctgcgat tccagcgcgc cctctgcga  
105451 ccagcgcgct gagctctcgc cgtctgcgat acagatgaa catctctgcg  
105501 cgcgcgcgcg ctcgaaggct ctctcaagc gcttgcgat cgcgcgaagc  
105551 atccagattt ttctctatgt ttccgcgcgc ggcgcctctg tctatccaca  
105601 ggcgcctcaa ggcctcgcg ttggccgaaa aggccttgcc cagcgcgttg  
105651 gatttctgc gcaacgcgat cgttagcaga tcttggtgaa tcttcagtc  
105701 gdcctatgct ggcgcgcgat ccgcgatgac ctcgcctcgc tcttgcgcg  
105751 ccgcaaatgc atctctgagc gcaacgacaa agcttgttgc agagaggtc  
105801 ctttgccggt cagcagattt ctctctggcg tgcctctgcg gctgtgat  
105851 cgaacttgct aacgcgcgtg cgcgcgtcaa gacatccgc tgcgatctg  
105901 agatgacccc caagggctccc tctgtgcgc ctcgcgcgcg gctctgcgcg  
105951 gactgcagag ctcgaaggct ctctcaagc gcttgcgat cgcgaagcgc  
106001 cgtgcgcgcg ctttgagctt ccgcgcgcgc ttcgcctctc ggcgtcagc  
106051 gtgcgcgcgc agcgtcgcag cgcgcgcgct gctcgtcgcg cttgtgcag  
106101 acagcgcgcg gctttctctt ggtcgtctgc tgcgaagaag cgcattgcg  
106151 ccgcatgaca tcttgaagc cgcgcgcgca tgcgcgcgcg tgcgttgata

00936964-082701

106201 tgcgcattgag gctttgcaga agcccgagtg cgagcatgcc agtcacccgg  
 106251 acgcgcgtga tgcctaggat gaagggcac acagcagaca tccacttgg  
 106301 tcggattttg aaagcgagga ggaggcgatc gacccagccc atgagttgca  
 106351 ccgaattttt gtggaggtgg cagccgcgtg cagccgcaga tccaggtatc  
 106401 gatagggggc gacattaac aatcgatgaa tgaagggggc atccatcgta  
 106451 aatgtccaaa aacattccaa caagctaat ttgtattact ttcattcgac  
 106501 tgggggatac tgcacacggc gagcaatcct ttccgtatt gtggaaacac  
 106551 cagtcggttc gtccagtcgc ttgtgtttcc gtgcttagt ttttcgcac  
 106601 agttgaagag ggtctaccaa tggaaatctc caaatttgcg gacgaacaa  
 106651 tggcgatgca gatcgccgca ggccggaggg ctgtgcocga agttgatccc  
 106701 atacggttga ttgacaggt cgtccatcgg gcgcggcgtc gggccgggtt  
 106751 ggaatttcag gtcttttggc cctgtatcgg cgaatcgat ctgcgtcgaa  
 106801 tcaactatct cagagcgtgt ttgattggat caaggcggtt gtcgaggtat  
 106851 aatgtttccg caaccgttgg cgacagtagc gactggggga caggtttctt  
 106901 gatcggggcg cggctcttgt tgaccacaaa tcaagctatc gactccgtgt  
 106951 aagagcgtct caaggtcacg gtgcgaatcg gctacgaact gacccgggaa  
 107001 gggcggtcga aacgcacgac agcctttcgg ctctcccgcc aagatggttt  
 107051 tgttaacgag ccgaggggatg cgtctgatta caagcttggt gcgatggatt  
 107101 aaaaacggca ggtatggcgg acgcgaatct ccgacttcgg tttcttggct  
 107151 ctcgacggcg gacccggaaa agcggaggct ggccagttat gacacatcat  
 107201 tcaacatccc gatgcacaga cgaagcgcat ctgcgtcaga gaacaaagt  
 107251 tctgcaaaata tggggacgag ggggacccgg agccgcacaa tttctcttgg  
 107301 tactcttcgc atacggcaaa ttgtttcgtc gggcgacggc tcttcacgga  
 107351 ttgttgggag gtgcgtttgc tgcatacgc agggcgttca gaccgaagga  
 107401 tgatcgatgg caggaacac ttgggttctga cgcgaacgac aacggggccc  
 107451 gctgcggggc cgcataatct ggccgttgaa aaagtctact gactgggaaa  
 107501 tgaagcgggt ccgatttcca agtctatcgc cgaagttcaa gggatgttga  
 107551 cggcgccagg ctttgcccggt tccacccctg tcatgacct ttgttcgat  
 107601 gcgacccggg tgaagccttt tggccggcag ccgcacggcg agtgcactgt  
 107651 cggcccgccc ctctgtgccg caaccggcct cagggttggt gcgcgcagg  
 107701 caacgacggc gccgaacggc catacgcaac cggccaatta ttttcgagga  
 107751 cggcgaaggt atcgatggga ttttcggccc gtcgaaatcc cgtgcgccac  
 107801 actcggggtc aatgcattgc ggcattggtc gcggcccaa gtcacgggtg  
 107851 cagccgaacga cgtcctgcgc taccagcatt tctcgtgggt cctgaatgcc  
 107901 aattcccaagc gcaagatggc cttctacacc gcgctgaata cggctgaac  
 107951 ccgctggagc aacgtgcgga ggggatacgc cgtgttggt taacgagtgca  
 108001 gctcccgca cgaactgcaa aacgggcgag aactctatgg ccgcagacct  
 108051 gtgcctcaga agcaatatt cgtatcggtt caactgttgc cgcacttoga  
 108101 tccggttttg ggcagagatcc cgtttgccaa gcaggccaat gacgacacgt  
 108151 tccagtggaac caattgctgc ccgcaatatt gggggttcaa tcaaggcgcc  
 108201 gatctcttgc aggtcttggg aaatttctgt ctctacacaa ccgacgaga  
 108251 gaattgtcag gcttcggtct tctcggggcc gctgtttcgg gcggagatga  
 108301 aagagcacag ggaattctg atcccgcaat ttttctggaa ggtcatttgc  
 108351 gtaacccgaca agaacgacag gctctatacc aggggctaca tggctagtc  
 108401 gcaggacatg ggcctcgaca ttcgtttoga agcactcccc gtcggcgca  
 108451 acagacacaa acctgttcaa aatttcagc tcccggttgc aaagattatc  
 108501 gaagacacgg aactgttctt tgcagacgag atcttgagcg ccgcgcgcta  
 108551 ttcgggaacg tcaacggggc gacatttgcg caactgtggc gacatacag  
 108601 atccccggcg ctgactatgc aaagcggctc tttgcgcgg gotgcacca  
 108651 aggttttgcg gcgcatctgt aagccaaagc tgcgcagttg caaccggcgg  
 108701 ccgttgatcg ccgttgagga tctgtgcc ccggcctttg cgggcctttg  
 108751 caaatcttgc acgttgggga gggacattgc gttcttgtc ttgattcccc  
 108801 cgttccagtc tacggttgcg tgcatagaa cagtcataaa cggaaacgac  
 108851 catgcttgcg ttccagcgtt tccgcggggg ctatgaggtg aagggggagc  
 108901 atcgcttgcc atcaagcgc ttctcccgca ggaagccctc ggcgttgcg  
 108951 cgggacacat cgagcaaggt atgagttatc ggtcgcaagt cagctgcagt  
 109001 gtgcagctcg atccggcggg tgcgtacaca tctcaatttc tggatgagac  
 109051 gcaaggtat ccggtatgac gctctgtgtg aaagatttat acaactctgc  
 109101 tccagggcaa tgggtgtgca ctgaacgggt gctttgcgaa cggggcaac  
 109151 gtcattttga cgaataatcg tgcagccagc ggaatccctt agacccctaa  
 109201 actattttgt cgttgactct tgcagcgccg ctattatgga agccaggttt  
 109251 ttgaaacott aaggcccgcg gagcggcgga ggtttgcag gggagactgt  
 109301 cgcgaagatc aaatcccgca atccaatag gtcaacgata cacttctgac  
 109351 ggggtttgcg ctcttgaggg ggtacataca cccggcgaa ggcgcagctg  
 109401 atcatgggtt gcctgtctat taaggagctc ggcgaagagc accggagcgt  
 109451 ttgtcgaaac tggcgttcgg gcaagtagc aactgcgcgt gacatccgg  
 109501 agcccgctct tccgggctga tctgtctgc tttcaatttc ttgatgagc  
 109551 catctgcagg aaaaattctt cgcggggcac agggatggcg ccgaggtgtt  
 109601 tcccaagag cggcgtgtct ttggaagata tcccggaecg tctcatctat  
 109651 gggcgagct gggatttgtt ggtcagtcag gccgtttgaa ctcaagcat  
 109701 tttccgtgca caagtcgggt actcaaggcg gcgggacga ccggcaagg  
 109751 ggtctgttgg ctgcgcgat ggaagtcaat gcataaatat attccccaa  
 109801 ataaccata aaactatat tttctgtatt atactctgt ggttccata  
 109851 tgtctatccc gtgaatgcaa cggagacat ccatgacaa aaagatagc  
 109901 ctccaaagct ttgaaatga actgcgtcgg ccatcagtc cggggctctg  
 109951 gggcgacatc ggcgcagag ttgtggcagt caaaggact ggaatagtg

0939064-082701

110001 acggatctgg caaagggtgt cggagcgggg ttcttgatt ccatcttat  
110051 cggggagctg accgctctatt acgagctcta caaggggcaat ctgcacatgt  
110101 cctctgtgca gggcgtgca ataccgggta acgatcggct tcagctcgtc  
110151 aacccgattg cgttgctgac gaaccatctc ggcctggggc tcacggcgtc  
110201 gacacgcttc gacatcctct acaccttgcc gcgcggggct tcgacggcgt  
110251 atcacccac caaggggcgt ctctgttga atctgtcac gtctctctt  
110301 gaagcgggtg cgaagacgt cggggcgggg ggtatggctt cccatgcaca  
110351 cggctcgtgt gtagcggggg cgtctgtctg atctctcgaa gtgctcttga  
110401 aggaagttgg gaagcggggg cgtctgtctg cgaacaggag cggggatct  
110451 tcgcgcaccc gacacagatt cagcaggttg gtccacaggg aaatatttc  
110501 gtgtaggaaa ggtgtcagg tcaactgatg ggtattgtt tcgcgggggg  
110551 tattccctgt cgcgactggg cgtgatctgg cagggcgcat ctogatgaca  
110601 agtctgaggg tcaaatagac ggacactggt gtaaggatga cagcgagacg  
110651 cggctcaacc aggggctcat aggtaggggc ccaatttgca agcggatgt  
110701 tctcgtccca gggacgggca ttgaccggct ttgaccgat atctgcgacg  
110751 ttccagagcg cgttggtac atgtttggag acctgcattc cgaacacgat  
110801 ggcgcacaag tggattgcag tgagaagggg caacagatg aacacacga  
110851 agcgatggcc ttggacocat ttctccggag ggtcttggtg ctogatatga  
110901 agagcctcaa aggaagaagg ctccggtgca gaacgggtg acctcttggt  
110951 gtgatatacc ggcgagaaag gaaccggaca gaagagagc ggcgagagc  
111001 gcatctcatg aacagcatag gcttcggctg tcaattggc gtcaaatcta  
111051 agctcaatcg gcagtttgat aatcaacggc aaatcagatt ttgtgctga  
111101 tccatggatg ttgatcatca agcatagcgt gaggatcgcc agcgttatcc  
111151 atagctttct gagcgtttcc tgcgtctatc cggccctga cggcttaagc  
111201 cttgcggcag atcggtttca gtgttctctt ggcccaaccg cgcagcaccg  
111251 gttgcaggag cccaagcctt gacaggtatt gccttaogtc acctgaaagc  
111301 toggagttca aaagagttat ggcacacgtt ccaacatga cagtgacgtc  
111351 tgggtgaca gcaaccttca ctgaaaacgg aataaagtgt cgttgctgtg  
111401 tgcgcaggtg gactctaac ctccgacaa ctgcgacaa ttgatcttga  
111451 ggcgaatatc gcatctgagt tgcctcaaat cgcctgtgac ggtttgaaac  
111501 ctacggcgca gctctgcaaa ccttgatgtt ctcgatagcg gctttggtt  
111551 ttgaccagtc aggtgtgttg agaatgacc acattcttc cggttgaaoc  
111601 gttgaggttc ctatccaccg gatgagcatt ccgaataagg agcgtctcac  
111651 cattggcagc atcccaaccg cgcacataga agctcggtta acacaacatg  
111701 acgtcggtata attttcaact agctgttgaa agattatctc atacgggggt  
111751 caotttgttt gaggttttga accggccttt tcttggttcc gatgcttga  
111801 taactaacgtc cgaagcaca gaagatttcc tgcgtgttt cgcggctgtg  
111851 cacagagaaa gacttcaagc cgcctgggac agtctctatg atctgcagtg  
111901 acgggtgact tctctgagct agctctcaat ggtctctatc acctcttct  
111951 tgcgctctg cgcacagatt cttagggcgt ctgtgctgtt atcccatg  
112001 cagctcagcg agcggtatgc gtatgatttt aaagctttgc aacggcgagc  
112051 tcaatgcgc aacataaaca gtaagctcgc caaacagct gccttcgca  
112101 tctgttgcca aacggcagg accattcttt atcggctgtg cgcctggatc  
112151 gttgaaatat gcatagcgag aacgccacg gagaattcg cctgtgtatc  
112201 gttcgtctgt tccggcgaac gttggatcgc tgcgcaccag tatgatatg  
112251 atgcgcgct cgcctctac gtagctggaa acatctgcg ctctgatgaa  
112301 caagcccgat ttgttatga cctgcaggcc ttgctgttca cgcgaacatga  
112351 tgaagacgtg ttctgttga atgtgatgt cctgagctc agttttccg  
112401 caagctcgtg tctctgagc cggcaccaat cttgaaagt ttgaaatat  
112451 aatcatctga cgttagggat ttgctgcaa tagctctag gtgtgaaag  
112501 gtaagcaggc gttctgtcgc ctctccggc gacataccg tgaactcttt  
112551 cgaacgggac cagtgggcca tgatgtttc ctggcggaat gtgttcgaa  
112601 gctcagatgt tgcagagag cccgatatcg tcaatccca tgcctagagc  
112651 ctgcggcgga agacggcctc gaactgttgc ggcggcgac gatgagatga  
112701 tgcattgtt ttgatcccg gatgcatca caccagcct gatcaaatc  
112751 tctgaagca agaagctcgg ttcgtgttgg gcaattata acaggaatga  
112801 agcccaagca ttgaaatga tgtcccaagc aattctgca cttgttcaa  
112851 ttctgagtc gacagctctc actgtgaagc cagtatcttc ggcctcttg  
112901 acgtatcgct tcttgagc actgtgaac ctgagagac tctgtttgaa  
112951 agtgcggg aaatcaacta ctagccccc aaactcgat cctacgctg  
113001 aggtcgagc ctgtctctca cgaacgggca tgatgaacc gaagatttt  
113051 atcggcgtag gtgatgtgca cggaaatgga caaacttag aactctctg  
113101 caatgaagct gacgtcacg aaagtgggt gacccgaga gdcggagat  
113151 ggggacacaa gttctattgtt ggtcgaagt ctccgcgcoc cttgtgca  
113201 ccacggagca agcgctatg cccagcgttc gattacccg cgcgcaggc  
113251 ctctgcagc gttcggatga tgggtgctg ggcagcgtc gcaaaagatg  
113301 acagagattg aggttctac ggtcccgccc atagacggc gcaatagatg  
113351 atgacacatg gctctggggc gactgaact tagtggaga gcaacgat  
113401 ctcaagctat cagcgaggac aagcggggc gtttctctc agtatctg  
113451 cgggtgtgtg tctgagagat tctctctgg ctagccgag aggtgagc  
113501 gctgagag cgtcaactat acacggagc acagctatct gaaotgac  
113551 ggcagcagc gaattacaaa tcccgggg cagatctat tctggatgt  
113601 tgatccccgc catcgattgc cagaaacta ttaatgatt agcctttga  
113651 aatgattaca acagcgttt caacagctgc actttccgac gtcctggag  
113701 tatcgcggt gtatgtatc agctgaata caagcttctt gaagtgtaa  
113751 tatgtgata ttgagcaga atacagctc attctggggc tgatttccag

00939684-082701



113801 atcactatgg cttgttttget gccacataga togtgtgatgt ggttcgacccac  
113851 gccaaaggtcca tggpaaatga acagataaga gatgcgcctac cgcgcctgtga  
113901 attcccaacag aagatccaaa atctgtgcct ggatcgccggc cgtatctgtga  
113951 ccagtgatgac gaocggcgagc ggaagtgtcc gccagaaagc ggcgcctgtt  
114001 cagcagccggg aagtgtctgca tcttcggcgc gtattcgggg gtacaaactgt  
114051 ccagcttctgg cagaggcgtc tctctcaact gcaggaaatgc ttggttgoga  
114101 caaccacact gcacggcgaa cgcgtgtctt ggttatgggt atgtcaactc  
114151 ggttcaagaa ccgcacccca gcaaaatcca agacttaaat gcgcaggttc  
114201 aaatcgcaaa agcttaccoc gccaaacaca tgggtgagaa aacggtttgt  
114251 tgaatgggtc cggaaactgcc gccacagttc cggacccagg caactatgt  
114301 tcaagtgcgat gtgcgcgaac cgcacacagg tggcga tcca gctcagatta  
114351 gaagtccggc tgcagcggga ggaagcgcgt gcagaaatcc tccgtgtctg  
114401 cgcgcatgtc gcgaactgtg tactgcacgg aaacacgtga gccacaccca  
114451 gaggtgatct tgtagtcaac cgcacagaca ccgcgccatt gatccgctac  
114501 gctgacgaag ccgtaaatca cccaataatg aagcccgggg gtgacggoga  
114551 gctttctcgt ggcgttttag cgatacgagg tggcgacggg ccaatcgaaa  
114601 cggcggaagt agacgttggc tgcggatgcc cagacggcgg caatctgaaa  
114651 gacgcccggg ccgagttcgg ccgaaacccg cgcgcgggat gctcctcct  
114701 cgacctcgtt atcgtaaccg ccgagaaagt cgcgtgagac gcgcgcggcc  
114751 gtggccgaaa cgtatgcctg caagccgatg ccggtttgct tegtgtctgc  
114801 ccccttcagc tcatgttagt caacgcctgc atgtaacggc cgcctctcat  
114851 agagtcgggc tctagatgtg aaactgtgtg ttgttcggag cgcagtctga  
114901 tgcgcgttcca gccctttatc ccaaccagtg tagaagaaac ccgccttgaa  
114951 accgcggcga tggatatagg cctcgtcgag gttgatcgag cgttcacoga  
115001 cgttcgtctc gttgtcagcg ttgaactcgc tggcgagaaa gcagtgagc  
115051 gttccaaagt ccgtgtctgt ctttgcgctg aaggcgatgt atcgcgaga  
115101 gaaggcgctc cagtccgagc tgcctcgggc ccccccgcct tgcggtttgt  
115151 tgacctcatc cgggcacaa cagacctgga aacagcgtta accatgtatc  
115201 ttcaggcagc tttctgtgcc ggggatata aaatagccga tgcggaagc  
115251 gtgcgagacg cgaactgtat ccatcggttc ccggttcoga gcgcgcgtat  
115301 cgtcagccgc ttgtgcacca gagactcgtc caggggcaac gctggaggg  
115351 agaaacacac tgcataatgt cacttccagt ccgttcgatc aactccaagg  
115401 ttgggcgggc gcgcagggcg gtgcgtctgc aaactcaagg gccctctgg  
115451 tgcgtcggc gcgaacccgg ccgtcaatat tgacggcgag ccgcgtacct  
115501 ttaccaacga atatattcat attctaaagg tatatgaatt ccgtaaggc  
115551 acgaatatga agtggtagac attcgttgtt aacgcacac gtaaatgtg  
115601 tgcatttttg tacagcgcaa agactgggc aatgttact atctacaaa  
115651 tatgtttgat gatggcgccg aattggcgcc taataaact tgaacaact  
115701 tgacatataa gaactgatg atagatatat atgcgcgat gcgaagaggg  
115751 cttctccoga ctacgcgcgc cagagctccc agcctggcgg ccgactttgc  
115801 ctgcagctga tgggcgtttt cccagggcgt ctatcccggt gcgcacccg  
115851 cttctcaggg cgtccgactt tgcctcagag gataatgggg aagagtcgc  
115901 cgccttcaga gcgtgtcgtc cttcaggagc cacaagggcg cttgaagtt  
115951 tgaattctac ccatgtgtct ttcgcaaat ccggttcgat ccggtccgc  
116001 atcggttagg gcaaacccgc gagtgcggtc caggaaatgt gcgcgcgtc  
116051 ccgttttttg tgcagagcgc ctcocccggg ccaagcgctg cttggtcttg  
116101 tgcoccttgg actagggcgt ctcgacggag cctctgttac gvgtgaacg  
116151 aaggggcgac gaggggctga gaccgtagc gctcttatg agaaccgaga  
116201 accggccggg attgaaacac tgaagatcca aggcagctc ggttaatgct  
116251 ccgcgcgggc cgccttgat gcgcgcact gcggggcga gctaatggt  
116301 gcagcagagc ctcatggggc agcctccctg ataggttcgg cctaatgct  
116351 ggaagccggc cgcgtgtcac cgggcagggg ccgcgcagc gctaatggt  
116401 acagggtttg tcaagtttgc gcacgtgca gctcagtt tagagagctg  
116451 cttctgtcgc gcacgcgtgc ttccctgaca gaatgctca gcgagattgt  
116501 ggcgtatcgt cgaagacaa ctttacgggg ccagctgctt tgcgtcttt  
116551 gccacaagac gcatggcttt cgatgctgcc gagttgagat ccttttcgg  
116601 ctcgccggag cctgtatata gaccttgaa gtcactttga gaaaagtag  
116651 tagccggcaa taagaaactg tgcacatagg gtctaccggt caggttcctg  
116701 aagcttgccc tgagagccga ctcgggaata tgggaaggca acccgaaact  
116751 ttcagattgg atgtccttcc ggttgcgggc acgttcggg gcgctcggc  
116801 catgattagg cgaagtatct agttgtttgc ggttcggcgg cgtcgtggt  
116851 tcatattgtc cggacagcac gaacagagag ctgataggc gctatcgcg  
116901 cctggcagac gcttcgagac cgaacgaatg ctcgcgctgt gccagccggc  
116951 ctcagagagc ccttccact ccaagtccgc tgcagagac ctcgggggt  
117001 tctagagaga ccttccact ccaagtccgc tgcagagac ctcgggggt  
117051 gagagctgtg tgcgcgtat gggcgacgaa actgtctgt ctcagaggt  
117101 cgtctgtctc ggggaaggtt ggcgaaaaa gcaaggtgt ccagccggg  
117151 ctcggaaact tgttatagg aggcagcgaa ccgcatggc gaacactg  
117201 ttcgcgcgcc cgcatacggg tccagtgag catcgaaac agcgccagt  
117251 ggttgagagg cgggtagagc gaacggcgga tcaagagac aatcgtccca  
117301 gcagcagaca ggcacagcac cagcttgccg aacggcaacg cgcctcaat  
117351 gttgctctgt ttatcagoga agcatagag cgcctcaat gctcgtctt  
117401 tcatctcgtt gcgttcgagc agcttcagag cgcctcaat gctcgtctt  
117451 ggtatagagg cgcgttcgag ctttgccgt tactctgaga tctgtttt  
117501 cggcaatgat cgcgacttcc cactctgct cgaagagag ggaacaggg  
117551 gcacggcggt cgcgacacaa gacatgtccg gcgcgcact ccaagaagt

00939994-002704

117601 gytgcgctgc togcacatagc oggcgaagcgc accgcgcgcg accatcgaa  
 117651 gytgcgctgc acagcttcca aggcagagcga tatgataacc gcgcgcctca  
 117701 aaocgcggcct ogactcttagc ggcgtgggggc aggggcctgc tgcggttcgc  
 117751 gcctatcgcca aagcgctatgc ggcgtgggggc aggggcctgc gaaocgcgcg  
 117801 cgtcttcctgc caatggcgcc toccaagagc cccacaacagc agtatcgagt  
 117851 gcgcgtagcg caacagcgcc gaggaacggc tccctttgtgc ggcacaaagc  
 117901 gatagagacc gccccagagcg gtatgcgcga caggaaatcc gcggttccatc  
 117951 cgcctcgatgc gatcaaccaa tggctcaact oggcctagcc aagctgttcc  
 118001 togcgcagca togcgttcgc ggggaactgc ggcgttgatca gcctgcgggc  
 118051 aagactttgc gcgtcacgat cggctgcgct gaactagtcg gcctaacctc  
 118101 tggctctgat gcagatgtgc gaaagattgc caaacggggc cagcgcggag  
 118151 gctccaaact tgcctgtgat gtccgaagc aaatcgagcc ggcgttcctc  
 118201 gtgcctttgc aatttgcgcg ccgatcccgcc gccgcgcgca gactccttc  
 118251 aagcgcgcga gcgatagcgt gtctcgagtg aagatagacc gactccgaca  
 118301 gccgcgcgcg gtccatcgcc gtctcgagtg tcaaggcgct cctgtaattt  
 118351 gttgcgcgaa tggcttttgc gatcgcatcc cagtcaagcc tgcgcgtgaa  
 118401 tggcgcgcga tggctcgtcc ttgcgcgcga gttgtcatga atatgcgttc  
 118451 cgcctcagcg atcgccatgc cgcctccagca ccgcacgctt gcgcggctcg  
 118501 atcagttccc aatggcgctc gtctagagc agcccaagca agtccgact  
 118551 tagcgggcta aagagcgccg catagagctt gaggttaatt tccgcatttg  
 118601 ccttgaccag ggttttcgac cgcgtatgca cgttgcttc gatgcattg  
 118651 gcctgcgact cgtcgagga toggaaacag ggcctcgaca accggttctc  
 118701 gttttcaagc ctgcggaagc ggcctcgtgt gctctgcagc ttttagagc  
 118751 catcggagcc gcgcggggcc gcagcgagtg gctctgcagc accggttctc  
 118801 tccacccccc ttgcgtatgc ccaatcgctg atagcgctt ttttagagc  
 118851 tgccttcctg gcgaatggga caggtccggc ttgcgcgcga agttcttcg  
 118901 gttgcgcgcc gtgtcgtgca tgaacggagt gttgttcga gccgcctcc  
 118951 gcaacgatgc ggcgggtgaa ctgcatttgc ggcgtggcga gatcatagc  
 119001 gctgcgcgaa tccgggttcc agttgatatg cgttaatccg gcttccagca  
 119051 tccaggtcag ggcgttcgag atgcctcgtc cgttccagcg ttcattggg  
 119101 ggcacatgac agacggtgat gcaagtatcc attcagctgt ccatcagag  
 119151 gttgcctgat tccgggttgc ggcgcgagct caggcgcctg gcgcatagc  
 119201 tgcgcgcgag cgcgaagacc atgatcaggg tccagtagac gcgcatagc  
 119251 gcgcgcctgt cgggtatgag cgaactcgtc ccatcagcg tgcgcatagc  
 119301 cagaggttgc ttgttcgtgt tgcgaagga cgcgcgcga cgggtatcgc  
 119351 ccgcgcact gttgaacttc atgcgcgcga cagggttccg ggttcagcc  
 119401 acgcgcgca ggcgaacacg cgcgcgcgca tccagctccg aggcgccat  
 119451 tgcgcgcgcc gcttctcga aggcgcgcat gatcccgatg aagcgcgagc  
 119501 gcatgaagcg gaccatgagc ggcaggtcga agatgacgta gcgcgtatgc  
 119551 aaagcccaat agctgcgcag cagaacgcga ttgcgcgca gcgcgtatgc  
 119601 cgcctcagaa gcaacgatca gcctccagc aagcagcatg gcgcgtatgc  
 119651 tccagggcag gcaacagcag atatccagcg ctcgcgtcag cccgttcgc  
 119701 ttgcgcacca tgcctgcgac ggcgaaccaa gttatggcga gcgcgcgagc  
 119751 accgcgcgac ggcctatcca acatcgatc cgcgtatgtt ccaggttga  
 119801 cgcgcgcgcc cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 119851 aggcgcgca ggcgcgcgca agatcgcgca cgcgcgcgca cgcgcgcgca  
 119901 ggcgcgcgca ggcgcgcgca agatcgcgca cgcgcgcgca cgcgcgcgca  
 119951 tccacgcgat cgcgcgcgca agatcgcgca cgcgcgcgca cgcgcgcgca  
 120001 gttgcgtcgt tagcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120051 cgcgcgcgca atcgcgcgca tgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120101 ggcgcgcgca gtcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120151 ctcgcgcgca ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120201 accatcgcgca ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120251 ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120301 atgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120351 ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120401 ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120451 ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120501 ggcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca cgcgcgcgca  
 120551 ttttcagaaa gccgcgcgca ggcgcgcgca aatcgcgca cgcgcgcgca  
 120601 tgggaacata cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 120651 aaacgctgtc caaagcgctc ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 120701 atccgcgcat aaacatgccc cgcgcgcgca ggcgcgcgca cgcgcgcgca  
 120751 aagcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 120801 cgcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 120851 tccatcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 120901 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 120951 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121001 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121051 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121101 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121151 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121201 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121251 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121301 ggcgcgcgca cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca  
 121351 caagatttga cgcgcgcgca ggcgcgcgca ggcgcgcgca cgcgcgcgca

09339964-082701

```

121401 agcgcgcgcgc caatggcgac ggcgtgttgc tggcgccgcg acatgttccg
121451 tgggtttcttg togagctgat cggaaatacc ggcactctcg gcaactctcg
121501 cgcgcgcgcgc ttccacatccc cctcttgact totttcgccac gcgcagcgccg
121551 aaagcgcagt toctcgaaacg cgcacatcgct ggaacacagcg cgtagtctcg
121601 aaagcgcagt cgcgcgttccc ggcgcgtccgg cggaaagggcg gtaactgctt
121651 gcccctctag gacgacccctt ccgcgcacagt ccggggagcaa ccccgccaaatg
121701 gtcggcgcaca cgtctgagttt ccgcgcacagt ccggggagcaa ccccgccaaatg
121751 gaaagcgcgc tggcgagagt cgcgcgttccc ggcgcgtccg gtaactgctt
121801 cagcgaaagcg gacgtcgagt ttgttgcagc acgaaacgct gtcgcgcacac
121851 gctctagacc ctcgactcat gcagagccgc gctcattgac ggtattcaag
121901 ctgcattctt tgcagccagc tgttcgagtt ttgagcgatt gcatcccaag
121951 cgcgtgcgct ggtgttgacg agcttggcat togcctgaac ggtggccgcg
122001 gacttggcga cgcgttccgg caggacagcg acctggcgca acttggcgct
122051 gtatgcggcc atccatccgg cgcgtcccca ccagtgcagc aagcgtcttg
122101 cctcatcgag ttgatccgtc cggccatgca tgcgcacac ttgggaactc
122151 acgggagtcg cgcgttcggt gtgcattccc tggcacttcg atggagcgcg
122201 atcgcccgcg ttcaaaagcg ccgcgcgcgc attcagatcg atggagcgcg
122251 gacggcgctt gaaagcctcg agctgggaat ccgcactcgt ggcgataatg
122301 cctcagcact aaacactgct caggaaatccc catcctcat cgggatacctc
122351 acatcgccg tocgaggaaac ggcagcgagt gcggcgcaaa tacatgcggg
122401 tctgttcggc cgcgtgggag ccgatgcact atttgccctc ataactgcctc
122451 ttctgcagat ccagccagct ttctggcgcg tctgggctcg ccagtcgctc
122501 ggggtagtag gcgagcagca tggcggtctg ccagaaactg tggaccggcg
122551 cttccgctgc cttatttgt gcgggaaggt ccttggccca cggcgcgcaa
122601 tagggctgga agagggcttc cttctttaa ggggcctggc aggtgtctac
122651 catcccgaga acgacgtcgg cttgcggcgg ttctctctcg gcgactcagc
122701 gatgtagag ttgcgcgcgc cctgggttca gtgcctctcg gcgactcagc
122751 gctgcttggc cctgttccag gctgcgtggt ccgcgcgcgc tggaaagggc
122801 gctgtagagc gtcaggtggt ccgcgcgcgc tggaaagggc gcggccacgc
122851 cgcgtgcgag gttcccaaat gcaaatgcga gtttcatgat gttctctccc
122901 ttatgcagcg accggtctct cttaccgcgc cttccatgta gtttcaatc
122951 attgcgcaat ttaattttcc ttgcgaatgc ttctcgtaaa cttgcgaacg
123001 ttgcggagct ttgcactgac tgttttgccc 'agactctccc tcaatgaaga
123051 accgctctgc gacttgatct tcaagaacag gggcgtggct cgcactcgag
123101 tggcgagatg tctcgggagc accggcgcca cctgacgcg tctggttgcg
123151 agtttgcgtg atctcgccct gatcccgagc gaggcgagct gaagcgagct
123201 gcaagcgccg caacgcggct gctgcagct ccaggcgccg cgttctcagc
123251 cccgcggcgt caccttttgc gtcgcagctc aacgagaagc gtcgaggttc atacggcgag
123301 ctcagcgagct cgcgtgttgc cgcgtgcgag ccgctcagc gcatcgtcgc
123351 tcaactgga ttgtgtgagc ccgttcagc tgcgctgat gcatcgtcgc
123401 ccgccttctc catccagagc aacgacctgt tgggaatgc cgttttcgct
123451 ccgggaatt ttggcacgcg ctcgaacctg ttgaagcccc atccctctt
123501 tctctgcttc gaagcagcgc agcgatcga agcgttccgt gaggcgttc
123551 acgtcccatg ccatgtcgaa aacgacggca cgcgtgcgc gcttgcgaa
123601 tactgttctg ccggtgacaa cgtctcgat gatccgctgt tcttcatcca
123651 catcgcccat ggcgtcgcg gcgcgcgcgt gatcccgccg gatcccgat
123701 ggcgcgcgca cgcgaatgct tgcctgcgc gtcgctctca ccccgccgca
123751 cgcgcgcgcg cgtccggcca agacattctc agagatgga cgcgatgctc caggcgctc
123801 ttctcatctt cgcgttctgc agagatttgc atcccgcgca cgtctgcgca
123851 gtcacacgt tatcgatgg atccagcgcg cgcgcgcgca gcttcggcaa
123901 cgcgttcggt tgcgaacgc atttttgc atcccgcgca cgtctgcgca
123951 tggcggttta ccccgcgctc tgaataaaag gcttgtgaa acgatctgt
124001 ctgacgcgat agagggacca tgcgcaggtc tgcgcacgc tccggttctc
124051 gtatctcgac ttggcattcg cgcgcgcgc gttggtgcgc gctgtcttc
124101 gttcttcaga gcatttttta cgggtgcgt ccccaatggt ggaagcgctc
124151 acctgaacgg tagacgact ttctctcgca ctcccgcgca atagttccgt
124201 cgcggacacg gcaacgctac caacgcccc caagtcgcca agcttcgga
124251 ttgcacatga ggcgcgctcy tccagaaatc agcttcgga agcttcgga
124301 ccaatgcaga cccgcgcctt gacagggag cttcacatgt cccatcagc
124351 gatcttctca tgcgttcgac aatccggcg ggcaggttat tccctcagc
124401 cccgcgcgtt cttatcgagc ggcgaaggt cgcgttagcg cttgaattg
124451 ctgcattgtt ttctctgagc cgcaggttgt tcaaaagac atgtctatg
124501 gtcgactttg agcgcgcttc caacagggca aggtctgcgc atgtctaat
124551 gttgttagca tctctaaat gttcactccc aaaaatggy gactctgatc
124601 ggggttccac cggcgcatca ggcactctcc gaaatctgc agtttatga
124651 cagctaagcc ttgttaga ttgcgcgtt cgggagttt cggcgccgc
124701 tccatgattg cctgttcggy cagttggtcg tgatccagct cgtattgag
124751 agactcgtgt tctcaagca ctcggcgcaa tccctctat tgttaacgca
124801 gacacatatt cagttgatgt acagcgccg ggcactgcgc tggcgccgc
124851 ttctgcagat cccgcatggt aaggttcaga accagggctc cggcgccgc
124901 cccacatctt gtcggaagc tctcagggc cggagcgctc cgcgcctcc
125001 gggaggtcgt ccgcaagagc cgttaagtc aacgagggc ttg-gggagc
125051 cggcgatggt cgttaggcgc cgttatctgt cgttctctc cctgaccccc
125101 ttgtccatcc cctcgtatc cggcttcggc cgcctgaac tcaacacaa
125151 tcaagtggg gatctgcag acacccctccc ggaacgctt cggagctgg

```

0939964-082701

125201 aggcgcgcgcgc gacccggctg accgcgcctgc ccgaccttcc tgcggggctc  
125251 cagagggtga acgtcgaaaa caacggctgc accaatctcc ccgagggcctc  
125301 cccggccgcgc ctcgagtgcc tgggtgtctgc ctacacccag ccaccccgcc  
125351 tgcccgagat gattcccccc ggcgttatat ggctgggggc cagacacat  
125401 cagctgacca tgggtcccgca aagcctgtctg accgagatgc ccgaatgat  
125451 tagcttgatc tggaaaaata atccggctgc gcatccggtc cgaatgat  
125501 tggtagacgc catctgcgc gcgggttacg cagacgcgca gatctttttg  
125551 cctatgggac cgtgcgaact tgcacgaggg ccctctcagc aggtgtctgc  
125601 ggcattggctc gagggggatt tggaaacggt ggccgcctgc ccggggtctc  
125651 ccacgcacaa aggtgcccgct gattatgcac atttccctga ccggctccgt  
125701 accacgcgtga actatggcga tgcgtggttc ccgcagggcg tggccatagg  
125751 tctgcggcag cgcagtgcca ggcgcgaatt gcgcgcacag tatttttgag  
125801 aggcctccgg agctagcgat agctgtgagg atcgattac tttagcggct  
125851 aatggaaatgc agacccgact tctgtatcgt gatgtagagg accggggtct  
125901 tgacgggtgc ctccaccgc tctccacgca ccgcgcgtgc atgttcgggt  
125951 tggagggcact ggcagggacg gcgcgcgcga cggctcaatc gcttcgagc  
126001 accgatccgg accgcgcact cgcgcgcacg cgcgcgcacg gcttcgagc  
126051 gacacagctg cgcgcgcacg tggagctgag gacgttcac ttgcctacca  
126101 gcttcttga cgtctctcac gttaccgagg aggccttgc cagagctgac  
126151 agtccgtgc gggaaactga ggcgcgggga ttgcggcagt atgtgggac  
126201 gcgctggcga ccttgggaaa gcttcacgag gcgcgcgcgc ccgcgcagc  
126251 atgcagcgat gcaggagcag ctcatcgagg cgatgggaga ggcgttcga  
126301 agcgccttgg acgaaagct ccgcgcgcac ggcctgcagc gtagctgga  
126351 tgccgaacgg gttattcgag ccgagatcct caacgcacat ccgcgcgga  
126401 tcaaaaggga gacatggag aaggtgcttc gggtgcggc tcttgagctg  
126451 tgaagcgccc gtcacgtgcg tggctgtcaa ttgctgtcc tgcgggctg  
126501 gccgcgctct attgcgcac cgcgcgcacg tgggtgtcaa ttgctgtcc  
126551 cggcgccgag gacgttgaat tggcgcggt ggcgttcgag ccggtgaga  
126601 ctggggagga cggacatgc gttaccgtgc ggcgttcgag ccggtgaga  
126651 caaattggca gctcgagcca ttgtagtttt ctaactccgc ccattagacc  
126701 tgcgcgcac tgcgcgcgcg tccctgcaca ttcggtacca ttaagtaga  
126751 cggtttaca ccatcgagtg gcgcgcagtg tgaacgctg ggcgcggtt  
126801 gcctttcaac ccgcgcgcag cgtatgcgtc tgtaaacac caggtgattc  
126851 tctcgtgct ggcgcgcgaa ctgccttgt cgtgcgcaga caggcgagc  
126901 tgaggagcct gctatgcgc ccgcgcgcgc cgtgcacga caggtgattc  
126951 aagtcacaca ctacacgtgc ggcgcgcgcg aggttcgggc tcttgagga  
127001 cttgttttgc cgcacgcgtg tgggtgcctc ccgcgcgcgc aggttcgga  
127051 gatcaagctg ggcacatgc cctgcgcgcg ccgcgcgcgc atagtcaca  
127101 aacagatggt tacaattgt cctcctggga agtcgcctg ccgcgcgcgc  
127151 atagatgcg gcaatgtgca gctatcgtct caggtgcgca tggtagtaga  
127201 tatggggctt tgcgcctgc ctgcgcacct ccttcggggg totcgattc  
127251 gacgcgcgcg ggcgcgcgcg aggcgtcaga tgcgcgtaga ttttcgaca  
127301 ggcgcgcctg agtttttgc gctcgtacgc atgggttgc gtcgcctgc  
127351 ttgcgcgcgc ctgcacaca ctacagggct cgggttccag ttaagggttc  
127401 agctgcgaga accgatgaa ctgcagaac saacacgggt gcgcgata  
127451 cttgtatccc ctgcgcgca tcatgcgcac atgctcagc atgctcgtc  
127501 ccagcgcctg cgcacgcctc ggcgtcagc agtgcgcga ggcctcgtc  
127551 tggatcaact gatacctgc cgcgcgcgc tgcgaacac tggttgagc  
127601 ggcctcgtc agcgaactc tgcagggat tgtgatcac ccgcgcctg  
127651 tccagagagt ggcgcgcgaa ccgatcgata atgcgggttc gatgtagc  
127701 tgtcgtgcg gcccaacggt cagacgcact ccgcacacag gccatgaca  
127751 cctgttggtc gctgcctgc tgcagctga caacgtcctg gaagcatgc  
127801 aggcactgac ggttaacaag ccggtttttg atactgcga gatcaagct  
127851 ccgcgcacat cgcgcgaact ccgcgcgcgc ggcgttcgag caacggggg  
127901 tcatgcgcac acctcgttc aggcgaact saagagcgat gccctgcgat  
127951 cctcgtgcgc aagcttgagg taggggcgcg tgcgcgcac ccgctgcgat  
128001 ccacacacac caocgatgat ctttttggc accgcgcgcg ccgcgcgcgc  
128051 ggcgcgcgc gctatgcgga agtatgggc ccgcgcgcgc ccgcgcgcgc  
128101 tgcgcgcgc gtcacgtgc cgcgcgcgc ccgcgcgcgc ccgcgcgcgc  
128151 agcttcgatc aggttgacg cgtgcgcgc agaggtctc tgcctctgt  
128201 ccgcgcgcgc ccgcgcgcga gataacacag gattgtctg ccacgcgcgc  
128251 ccgtcaaggg agggagcgtg taggtcttgc tttgtgtg accgacaga  
128301 atggttttgc tccgcacac gatatactca atccgcagtg tgcggattc  
128351 tctgcgacg agtccgtagg tggcgagcag ttgtaatac gcatgtccc  
128401 gcaagcgcgc cggcgtttg tccctgcgtc caactaccg accgcgtgcg  
128451 atttggtccc gctccaaat ggaagcgacg cctcatagc gctaaagcc  
128501 cgcgcgcgc acatgcgcgc acaggttcgt tccatagc agctgcgac  
128551 ggcgataac cgcgcgcgc tgcacgtgc aaagctcgt cgtgtgtgc  
128601 cgcgcgcgc gtttcgagc tgcacgtgc aaagctcgt cgtgtgtgc  
128651 ggcgcgcgc cctgcgcgc ctgcgcgcgc gctgcgcgc gctgcgcgc  
128701 ccgcgcgcgc cctgcgcgc ctgcgcgcgc gctgcgcgc gctgcgcgc  
128751 agcgcgcgc cctgcgcgc acaggtttgc tattgtgtg agatgcgaa  
128801 ccgcgcgcgc tggcggcgc aggttacttt tggagcaggt ggcgcgcgc  
128851 cctgcgcgc tgcgcgcgc gctgcgcgc tatgcgcgc cctgcgcgc  
128901 ggcgcgcgc ggcgcgcgc tctcgcgcgc caataataa tgcgcgcgc  
128951 cctgcgcgc ggcgcgcgc tttcgcgcgc ccacgcgcgc atatgcgcgc

00339964-082701

```

129001 ctgctcagta tggctttgag ttcagtgatt agttcttgtt cagatttcga
129051 catcaatagc tctctgtgtg gtgcgaatgac cgcagaggtt cgcgtggaaa
129101 taatcacagc caaagacggc gacaaacagc agatttgat tcaattttct
129151 cgcgggtccc gggtctcttc gcattttggt cactgtatga ttatgcaaac
129201 ggggagagcc ggtatgcagc gcattttggt cactgtatga ttatgcaaac
129251 cgcgaagcga tgcatttgtt tccggtgaaa atcccccgaa cagcagggcg
129301 cggcgatggt attgaagaca cgtgcctctc ttggttgcga gccaaactgc
129351 acatccacgc cgtctagctc tcaactgtcc gaactagaga tcaattgcgg
129401 catcggcacg gtgaaaattg caagctgtat ctgcgcata aagacagagc
129451 gcttcgggac gaagcgggtc tgcagggcct tccagcgggc tctgcgcgct
129501 gcaatccgcg aacgattccg ataggaaatg atccgctctc gtttttccaa
129551 gtcggggcct caacgaaacc accgggggccc tcaagccgat ctgtttgatt
129601 gctactgttc gcatttccca tgggttgcat agggcccata caaaaatgt
129651 attttccagc tcttgccaca tgggtgcatg cgaagctctc cagcgtgcg
129701 tggctacgc caacttttgt tgggtgcatg cgaagctctc cagcgtgcg
129751 gctgatagat gaagacgctc acatacctct cgcgcgctct cgttttgtct
129801 ctatggggtt tgcgcagcgt gtgcgcgctct cgcgcgctct cgttttgtct
129851 ggttttgccg cctagtgcag atgactcgtt ttgagatttc gcttttgtct
129901 tcttagatg aagaagtacc gcgcgctggt gaacagcgtt cagcgttttt
129951 gcttagggcg gtggaacacg aagtgaaagg caattgtctg cgcgcgctct
130001 cagcaaatgc gaacgaaaaa accggtccac cgtatttgca cgcctcttcc
130051 tgcgcgccat gttgcaaat taacccgaat tttggaggtt atatctctg
130101 aatgttaga cgtgtgat gctgcgctgc accgcagcag tgcgcgctgc
130151 gctgttagcc tgcgcggcga tgcgcggcga acccgttggt cgtgtttgtc
130201 acctttttgt cccagcggag caggatgaca cgcgtggcgc gtttttgttc
130251 tcttttttgt cctctctctc gctccttccg ctcccaacgg accctcagag
130301 cggagagcgg gtagagctgc gtagacgggt agtaacaatc aggcctgtgc
130351 ggcgaagcga agagagcgtc aaatccgac cagttgcaga cgcgtgtgca
130401 ggtatgtctg ggtctgaaa aaacgctctc cagttgcaga cgcgtgtgca
130451 aagatcggtt acacgttagc gattgtttcg gcgagcgatg tgcgtgcagc
130501 cgcacgcgca tctggtttgc taattggcgc gagaactgtg tgcgcagcga
130551 ggtcaaggta accggggccc aaggcctgct tgcggggag gctcctgggt
130601 gctgctgtaa tgtcgtgtg cactgaaatg cacttttgtt gctgtttcag
130651 ctggggttag catttaagc ggggtctctc cacttttgtt gctgtttcag
130701 cgtttagaca tctcgcgctt atgggatgca cgcgtcagga tgcgtgtgca
130751 cgcgcgcagg ggcacaaagt tgcgggtgca cacttttgtt gctgtttcag
130801 ggcgttttgt cgcgcgcttc accggtgttc gctgtttcag tgcgtttcag
130851 ggcgcgcagg ggcgcgcagg tgcgcgcagg ggcgcgcagg ggcgcgcagg
130901 atctgcggtt cgcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
130951 tgcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131001 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131051 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131101 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131151 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131201 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131251 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131301 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131351 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131401 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131451 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131501 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131551 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131601 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131651 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131701 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131751 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131801 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131851 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131901 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
131951 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132001 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132051 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132101 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132151 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132201 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132251 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132301 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132351 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132401 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132451 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132501 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132551 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132601 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132651 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132701 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg
132751 ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg ggcgcgcagg

```

00939964-082701

132801 tcaacgcgga ggtccctgaac gttgacaagt tgaactacgc tggcaacctc  
132851 gcttcgctga agccggttga aggtctccgc aactatcggt tccctcgogo  
132901 cgatatacgt cgttcgctga gataaaaga agctttcggt acgtttcggt  
132951 cggatctact catcactcgt gggcgaggaa gtaacgtaga tccgtcgatc  
133001 accggagcgg acgacttcgt ccagactaac gtgacaggaa ctttcaaat  
133051 gctggagaca gcgcggcaat actggagcaa tctgtcccag aatcggaag  
133101 cactctttta gatgtgcact gtgtcgacgg acgaggttta tggctcactt  
133151 gggagccggg gtcagttcga gggaggttca cgttacgacc catctctcc  
133201 ctactcgggt tcaagggcgg cggagcgaca ttttgaaccc gcatcgccg  
133251 gaacatfatg gcttcccggt gtcacttga attgctdca aactatgga  
133301 cggctccact tcccgcagaa actgatccgg ctgatgtctc tcaatgcact  
133351 ggttagagag cgttcgcccg ctatggagc ggttcgcact atttcgact  
133401 ggtctatcgt tggcagtcga tggcgagacc tctgctgat cctcgaggaa  
133451 gggcgtccgt gtgagaata caatgtcgga ggtcgcaac agtctcgcaa  
133501 tatcgacgtc gtaacgcga tatgctgt cctcgatgag cttagtccca  
133551 acgcttcgca ctatggtgac ctacttact tctgtaaga cagcgccggt  
133601 cagcagcgac gtaacgcaat tgaagccgac aagctcgaaa ccgagcttgg  
133651 ctggaaaggg caggagaatt tgcatacgg ctacgcgaaa accgttggaat  
133701 ggtatctgga aaatggctgg tgggtggcaac cgtcgggga caggtttat  
133751 tccggtgagc gcttcggtct cctggagaaa gctgacaga tgcggtctgc  
133801 ggtgacggc aaatgggac cgttttggag ggcagagagc cgtatgggt  
133851 gactcgaagt cgaataact acttcaggc ggcgaattt cgtatgggt  
133901 tgcgcgtcga ctgtcgtaag cctcatcagg gatcgcaac cggacataat  
133951 tgtctcttgg gcgcgtcaa ccgcgctgta taaggcgaa agcagcaat  
134001 acgaagcctt cgtgtgagca ccgcatggag tgcaggcaat ggcgcaggca  
134051 gccgcggggc tctgtgtccc agttattact ctttcgacag attactgtt  
134101 tgacggtgag aagccgggtg cttaactgga ggaagccgc accgpgccga  
134151 tttcagttta tggcaggtcc aaacttggag gtgaatttgc gttgtctcc  
134201 gccaacccaa atcatacgt actcggcaat tcatgggtct attctcgata  
134251 ggcgcacaa ttgtcgaga agtgcgtccg gctgcgcat aggaatgag  
134301 aatgaatgt cgtcgccgt cagctgggt gttcgcaatc ggtgacgac  
134351 atcagctgct cgtctatgac gatagccaga cggatgctgt cgaactatc  
134401 gggctgattg cgcgggaat tccactgtc aggatcgggt gaggccagct  
134451 gggcgggcct cgcgaataac gctctttccg ttacagcga gataaccggg  
134501 cgccaataca aagtcacatg ctatccgct gcagaatct ccacaccggc  
134551 tgcgcgccca gcaaatctga ggtccactg cgacaagctt gaggcaact  
134601 ttggtatcgg tctgccaaat tgggaggagt ccacggcgcc gctgttttgg  
134651 ggcgtgcttt tagaagggaa agatgcgtga agggaaattt tctgagagt  
134701 ggcagcgtgt cgggcgcga ctgcgagctt cctgcagctt caagcgagc  
134751 ctactcgtc tacgacaagg cgaatgat ct taccgctgt aaccgttaa  
134801 tgttggcggg aatcccgcaa atccctatca tctccagccc gcaaccatg  
134851 cctctcttcc aggcattggt gggggacggt tgcgaatggy ggtatctct  
134901 aagatagctt gttcagccca gccgcagcgg gctggcgagc gcttatgtaa  
134951 tgggtgcgga tttcgtagct ggttcaacct cttgctgact cctcggcga  
135001 aacatttatt tgggcacggg cttgcaggga cttttgcagc aagcggccg  
135051 cctccagcaa ggaacccaaa tttttgcta tcatgtcaac gatccggagc  
135101 gcatatggct cgttgagttc gatgagggca tgaacggcgt ctgcctgag  
135151 gaggagcgt cgggcgcga atgcagatg cgcgcagcga caactcaaa ccttaagc  
135201 ctacgttcc gaagtgtgtg acatcgccc caactcaaa ccttaagc  
135251 gtggcgaaat tgaataccc gacgtcaaca gaatttatct agagcgtggg  
135301 aaattgaagg ttgctgtttt gggggcgggg taogcttggc tgcatactgg  
135351 tactcccgac agtttgtcgt aggtgcaga gttttgtgcg acactggaga  
135401 agcggcagac attcaaatgt gcttcgcccg aggaagtgc tctggcaatg  
135451 ggttcatctc cagtgaaga atttgcgga attgcgaga gggcgaggaa  
135501 gggagattac ggcgcctatc tctggcggt tgcgtgaagc gcgcgtgat  
135551 cagatgggca acaggggcta ggcacatgca tcttttgcac gttccgcta  
135601 gtaacgca ctctttgac cactcaagt cgttggtgtt agctggccc  
135651 tttggatgt ggtgtgttca cgtctgggg ccggcgcaa ttttgaaat  
135701 gggcagcgaat taoggttttt ctaactttt tttttgtcag ggggtggcgg  
135751 ogggtgatct ggcgactgag tgttttggg tgcatacatg gcaggggcga  
135801 gacgatgctg gtttttaagg ogaagagatc tatcatcggg tgatggcca  
135851 caatcagcaa tgcgtcaggt tcaagaggtt tttgcgcaag accctcacg  
135901 aggcgttga cgaactcaga gaaagcttgc ttgatctgct gcatgtgat  
135951 ggtcgcaact tttaacaga gctaaagcg gatttgcana actggtgatc  
136001 taagctgtcg cccgcgtcag tttgctgttt ccatgcaact gttccgcta  
136051 agcaggggtt cgtgttttgg caatctggg aggaactgc ggcactcgt  
136101 cctatgggca acttcccta tcaagatggg ctgggaatgc tgtttgggg  
136151 caaagaattt ggggaggggg tccgcaattt ggcgggagc cttacagaca  
136201 cagaacggct caattggcgg gtcgagatct ttgcttggc aggtgaagc  
136251 tatgtcgcg acgcacagca accggggatc ataaaggtt tagaattggc  
136301 ggaagcgac acgagggagc gtaaaagoga gaoggtgtg gtcacagca  
136351 agctgcagga agcggcgccc cgaacgttca acaatataa accgagctg  
136401 gtttcaaca tttgtgctgc agctcggaag gctacgaact cgtgcgtgc  
136451 ggcgcgactt gcagacactg agcgccagc gcttatgac ctatgaggg  
136501 gacgagact gcagacactg agcgccagc gcttatgac ctatgaggg  
136551 ctggtcgagc ctcgggggaa gcaagctcag cgtctggcgg ccgctgtgag

09929964-082701

136601 cgaagcttggt cggcgcttgc agaacggacc gctgatctct gtactgttgc  
 136651 ccggtttataa tcccgatccg gccctgtctgt tcgaaatgat tgactcggtt  
 136701 cagcggcnaa gctatgcnaa ttgggaattg tgctctgggtc atgattcgctc  
 136751 gacgcatccc gaagctgggc gctctcgggc caactacggc gcaacagatc  
 136801 cgcgagtgcc cgtgtctctt cgtgaagcga atggctcatat gtccgaggcc  
 136851 agcaaatagcc ccatcgagat tgcgaagggc gctcatatt cgtctctgca  
 136901 tcatgatgat cttttggacc cggatggcgtt ggtgtcgttg gtccaggtta  
 136951 togatggcca tctcgtatcc aagatcatct acacgcagca ggtataagatt  
 137001 gttgagggcc gtaactgttg cgtatggcat ttcaagcctg attggaacgc  
 137051 cgattttgct tacgggatca attacatctc gcatctgggg gtttttgatg  
 137101 cggcgcttgt cgcgcagggt gggggcgcttc cggaggggctt tgagggcgcc  
 137151 cggattatcg acatgctctc gctgtgcttc gagcgtgtcc aagatcgcca  
 137201 gatccatcag attgcaagtg gcttatcccg gctctggca actctggcca  
 137251 cgcgcggcgc ttogatatgg tgaacaacct accgcaacga agcggcagcc  
 137301 cgcgcgctgg aagagcatct ggcgcgtacc accgggcaat cgattccagt  
 137351 tgtctgtggc ccgattccct tcatgatctg cgcgctttgg ccgatggagg  
 137401 ggacgcgcgt ggttcgatg atatttccga ccgcgcagca cctaaacgtg  
 137451 ctgcgcgcga cggtagggag catttttggt aggaactatg atggcaattt  
 137501 cgaaactgac gttctgcaca accgctcggt cgaagcgcat accctggagt  
 137551 gttctggtca aatcgaggcc agcagctggc gtcctggcgt gctccagacc  
 137601 gccgcgccct tctctatct accgctgaac atgcgcgcgc ttgcgaaggt  
 137651 tctgtggatg atcgtgggca tttgtgaatga gctgtctggc gtagctggcc  
 137701 cgcactggct atccgagatg gtgcgattgg cgcagcgctcc ggtgtctggg  
 137751 tgcgtgggtg cgaagctgta ctatccagat ggcgctattc agcagctggg  
 137801 tgtctgtgatt ggtctggggg ttctgtccgg gcatgggcat ttgctctatc  
 137851 cgggtgagca cgcgggttat tttctgtgac tttaattggc cgaagactac  
 137901 agcgtgtgca cgcggccttc ccttgtgctc aagcgcggga ttttcagcgc  
 137951 ggttgggggg cttgaacagc ccgagctgac cgtggccttc agcagcatgt  
 138001 atttgtgcca gaaggtgggc cgcgcaggtt acacaaatgt ctggagccca  
 138051 tgggtgtgaac tctatccacc cgaagctccgc agcaggggac agcaagacc  
 138101 cccggaaaaa cggcgcgctt tccggcgacc gctgctcat atgaagggc  
 138151 gatggaaaaa cgaatgcttc gccgatccgg gttacaatcc aaactagaca  
 138201 cttgagagaa accgatttgc attgtctcca cctcgttggt gttatcgacc  
 138251 gaaactggag tgaatggcca attgtctggc cctttacagg cgtgtagcgc  
 138301 tgcgcggcca actgttgggg catccagcca gctcggcat ctgaaccagc  
 138351 ttcgcttggt gtcgcgttgc actatccaca cgcgcaggga gctcatcggt  
 138401 cacatgggca agagctgcat gcaatgcnaa agaatgacc tgaactgcga  
 138451 atcccgacc taactgagct ggggtttgaac gaagggcgat atccaccga  
 138501 tctcgtgtgt cgtctctggg acgggaatgt cgaagcaacc cgcgcagacc  
 138551 cctctatgta tttttggcgc cgcgtcgagc actcctcat atgaagagc  
 138601 gtttgttcgc agcttctgtc ttcctctctc aaggaagcct gacagcaatc  
 138651 tctcattgac cgcgcgaag tctgtcgggt tgactctggc gactccttc  
 138701 gctatggcca cgaagcgcga gacagagctc ttcatttcat cgggcgctg  
 138751 tctcgaaacg cctgagcatc tccagccgcg tttgtgcatg cgcgagaaa  
 138801 tcggcgcttc gctcgtatc ctggcccgac atctcgtttg tgatcgctgc  
 138851 gcttggtggc gcaattccac cgtcgacgcg agtccacgtg aaggaacgct  
 138901 tcttggtctg gggcgcgttc cgcgcgcgac ctgcgcggct ctgcgcgac  
 138951 cctgcagctg cagctcccca ctgcgcaggg gcttttcgat ctgtttggc  
 139001 ctcgagacc ttacgatat accgaattga ttgtttttg cgcgctggac  
 139051 ccccgaaagg tgccagcacc tctctctgtt cgaagtgatc agcagcgcc  
 139101 agtccctctc cggggtacc ggggtagctt tgcattggcc gattagcgt  
 139151 gggatcgctt tgaagcaatc ggggttttgc tgcggttga cagatagcgc  
 139201 cacagggcgc gaatctgcg cgcgggaagg cccggttgat ttgcacagt  
 139251 tggcaggggg cgtacgcgca cgcgctcgtg gacagagata atccagtact  
 139301 cgcgaagct cccactgagt agtctgtctt ggtatgagcg ctacgctgct  
 139351 tggagagaaa cgcgcagggc cgtatgcttc cgtatgctc tccgaagct  
 139401 cctgtaacgc actcgtact tgcgcgagc gctgggggtg cgcagtggtg  
 139451 cgcgcagata gctcgtttc actcagtact ggcgtttcag gattgagct  
 139501 gaccaagctc tcgagctgag gactcagctt agctcgagga cctacgtatg  
 139551 ggcgcgcgcg cgcgcgaag gtcggagat ggtctattg cccaagggat  
 139601 ttgcgggat taccctttcc gatgaacggc gacacgtcac cgtctaatg  
 139651 cttactgtcg accgtgaca caaggtctgg tttgttttt ggaagagacc  
 139701 aacggctaaa gctacgaaga ggaatcgcat atgtgcaggc ggaagctctt  
 139751 gccatccggc ccttgatgaa ggaactctca agccctcaga gtctggaga  
 139801 actctggaaa taacagggc cctccaaagg cctccaaagg ccaaatccg  
 139851 agttgttga cgcggttgca cgcgcagggc gctgggcat gcccccacc  
 139901 cttcaactga attgcgacc tgcctcagct gctgctcaat gccaagggct  
 139951 tgcggattgt ttagggtctc cgcgctcttc gctgctctca actcagctgt  
 140001 gtaactgctc tegtgtgaga ggaattcttc gcttggaag aggtcgtct  
 140051 tggcaactgc acccatggc tgcgtccggg actgctggt gtcacaacaa  
 140101 ttcgttgagg gactacggtt tggccctgt caggatcgc gttatcggt  
 140151 tgcgcgcctc cgttgaattg ctgtctcaag tctctttgac cgaatcggtc  
 140201 cgtttgatgc tcttcgggca cctctatctg gctccagggc gttacttga  
 140251 agatctcga atgtgcggc tccacagagc cctcagcca tgaactcat  
 140301 tgagctgtgc ctatagagt aagctttgca gaagctgagc aggaagctgc  
 140351 tctggaagca aacgcacccc gaaatgcctc tgcgctctgc

0093964-082701

140401 gggggcctttt tgcgtttaaag gacacgtcgt cggcgctaata acagcctttt  
140451 gggcgagcggc gggggcgagac gogtttaggc tctgttgoga agggcagggc  
140501 ataccggggc cggcgatcgt gtgcagcggc atacttgac tacgggacgc  
140551 gaggcgcgtgc cctgcacagg gggcgcgcat ggcccgagca tatagacgca  
140601 cagcgcgtgac cgaagaatga ctgacggcgt gagatgtggg goaagcgctg  
140651 gacgcacacac tgcgcacgtc ggcctggggt ttgcacacaaa ggcgtgcgtc  
140701 agtcggacccc cccacagggca agtcggagcg cgtatcgtgg cgatcccgca  
140751 ttccgcacag atgttcacac tctccaaagg ctgggagatgt ctcatccatg  
140801 cggcgacgtgc tctatccagg caatatctgg cggagacggg gacgcgtgca  
140851 ttgcacgtgt cagctaaact gctttgcgtc aagtaaccttc gcttccatct  
140901 ccgataccgt ccgcacgtgc cttgaatccc ccgcacacac gatgatctct  
140951 gtttgcgggt aaatcgatca atcgtttgaa cgggtctcgg gatatttgag  
141001 cggcgccgga actgcggggt cgagcgcccc gcaaggggag agccctggcg  
141051 ttccggccca ttcattctaa acccgagtggt tttggcgatc ccatagtggt  
141101 gatgagtggc atgcacacat tcaatttttc cagcgccacc gatctcgt  
141151 aaaaactagc atgtaaatgt gattccgggt gtccacagaag aaattcggac  
141201 ttgaaaaggg gaggaaatgt tgcctctcag gataatccat atgcoccat  
141251 cgtcccccac agggagacctc caagcggagt cctttgcggc cggcgtcagg  
141301 tccgtgggat actgcggaga agagcagtg gggcgccatg cgtttgtgtg  
141351 aaagatttgc cggcactttt ttgctctaca tatcatcgcc gtgcacttca  
141401 cagcgggtac aaaaatcgcc ccacggcccc gttttgtttg agggagatgc  
141451 gggggccccc tgcagtgggc ggcgcagcgt cggctgtgcg ggagaaatgc  
141501 acaggggcat ctgcacactgc agtaaatgtg ttgcggcggt ttgttaccgc  
141551 atcaggcgag cttaaccgtc gtaaatatgc gccggatcgt agtcctccgg  
141601 aagtggcggt ctgctgcctc cgtattcgga acccctttct ggcggcgagc  
141651 gttgggaaaa gaagacacgc gcccgctgat ttttccgtg ccccttttag  
141701 cttgaagcta ctgtgaagcg ttaacggcac gaggagggcct gcaacataca  
141751 gagtgaagta gtgacacgtg gagataaaa atccacaga atgtgtatgc  
141801 agggatgagc atgttcacat ctgcacaga acttgacaa ccaaggagca  
141851 agggatgagc tcaattgggg gtaactgggt tgcacacaa tgcactctca  
141901 cgaatgtgaa tgttaacccc actatggttc atgttggggc gtaactaagc  
141951 tggttagcaa gtctccgctc tggcgacgca acgcacagta aacatcgccg  
142001 ctacgcacaa tcaatcgagt aattgatgga tacaatggcc attcaatat  
142051 taggcacaga aatcacttct ctcaaatctg ataccggagt gatccaaaa  
142101 ttccgacagg ttctacgaaa taatattgag gttgtggaaa agctcctgtg  
142151 gctctgtaga agaagaagc ccttaaaaaa gggcgacgca aagggcctgc  
142201 aagcctggcg gtctgcagtg tgcacacaaa gatcggaata tgaattctgt  
142251 accacggcgca atgtgtgcgg aaaaaaaatt cgcctccccc gtttgtgtgt  
142301 cactgcgggt cactgcgggt ctctacagtg gatcaaaagg agtcctgcgt  
142351 cggcttttgc cgaattatttg aaagacacat tatcccgagc tgaactggag  
142401 cagctgatag ttgtctggtt taacggggtc aattatccag aaagcgtgct  
142451 cggcgagcga togaagggat ttaagcgctt tttgttgag gatgggtgtg  
142501 ttccctggag gctccaaact gaccagtag gaataaacgc tgcacactcc  
142551 gtgcctcgct gtacgcttt ttataaaagc ggcagggatt ttccgctggc  
142601 agggttacca acagctgtga ccaataggtc atcaaaaaga aaatttacc  
142651 ctgtcgatct ggcgccggcg ttgtctttg taacgtttca ggtccctctg  
142701 gatgtcagg taacgcttca ttgcctgtgt gtgaagacaa tgtacattt  
142751 ttacgatata gttgttaaag cagctgagca aaactcgtgag gagatgtgtg  
142801 tcaatcagga gcatcctaga ttcaagagat cgggtgatgg cagtcgtcgt  
142851 cccacacgc ggtgaacat tgcacacgat aatataccct cgaacattat  
142901 ctcaatgag aggcctgttg ttcaatgaaa ttgcagataa ggcattggag  
142951 ctctgctttt ggggagacgc gttattacgc ttggcgactc ctgcacacac  
143001 attcaggatc ttgtgttgag aggaatgat atgggcggcg tcaacgcgcg  
143051 acttgcgctt cgggtagtgc ttcccgagca tgaattcggg aggcagtttc  
143101 tggccttctt gtggaattac taacttagtta agggtagctt tacagaccca  
143151 ccaacggccc tggcctctgt gattctgat ttgttcgaac tggactcaga  
143201 agtgagaggt gccatgcgaa atttgacaaa ttgaatccat ctctcgcgag  
143251 ttctctggcg ctcttaaggt tggtagcttt taactttatg gtggtggggc  
143301 gctctggctc cggcgggccc ctccacacat agccacgctc gtcactttt  
143351 tatcgacgc attcgggggt tcttgagga ttgagcagt tccagcgttc  
143401 tgttgatggg attgcacagg ttgcgatgg tcttcgagag tgcgtcggac  
143451 ctgcttttga agttggcgag agctacacct tcaactattg aaacgacgac  
143501 ggaagtctgc agagtgatgt ctgactggag tccctttccc acagaaagta  
143551 cgtggtcctc ttgggcaact tgattccgat ggcgggatcg tccactttt  
143601 gtcccgctac atgttcacgc ctatagggcg ctgtccactt gtatgctggt  
143651 accgtgtccg ccttaagcgt catgaaccca tggcggaaag ccgcaggaac  
143701 ccaagcgtgc ggcgcctttt cctgagtag ctggcgggaa acccatttcc  
143751 cgtatgttgg tgacccgacc ctgaagtcga ccgcgaagtc gaacgcgtc  
143801 ccgctgtgac agggcagcgc cttctcttgc gggaaaggct cggagtgaaa  
143851 gtgaaggccc cttacagctc cgtctctgag gggagatgat tctactct  
143901 gaacacgga gcatcgga acattttgc gaaactatt tccactgat  
143951 acttcgtgta atagcgcgcc gcaatgcgca aacttcttag gctaaattaa  
144001 cttgacttgc gctatgcga ggttttgaaa atacatttgc tccaaattaa  
144051 ttccggccac taattctcgt gctctggcaa gggagtggag ataaaaaacg  
144101 aaactcaact catagcgga ttgtgggctc cgtatccag agctactatg  
144151 ggcctgggca acagctgcaa ctccataagg cggcggtata cgcactctgt

0939964-082701



144201 tgaagcaaat cttccctggc gtccttgctc ggcagactga cgcgcctcca  
144251 tgacccagat gttgtcagca gctgtgacgc togagaggcg atggcgcttc  
144301 atgatattgg tccgcttctc tgtcagcgcg gccagagctt ggcgaactcg  
144351 gatttcggat tccgaatcga gtgcgctgtt cgcctcatca aaatcactcg  
144401 tttctcggtt ccgcagcctc ggcgcggcga tgggtatgoc cgtttctctg  
144451 ccaactgaaa gttttatgoc gttttcgccg aactcggtgt cgtagocatt  
144501 aggcattttc ataatgaaat cgtgagcgtt gccgcgtctg gccgcctcaa  
144551 tgatctctc gtccgcgcga cctcgcggcg ccaagagatt gttgattttt  
144601 atcgtgcacg taacagaaa tgtctctcgt ccaacaacac ctatctcgtc  
144651 ggcagagaaa cgaacgtcga catcctctga tctgtcgccg tcaacgtctg  
144701 ccgagcctac gtcggggtca taagggcgca taactcaagt gataatgnc  
144751 gaacttctcg cgcgcggagc cccaccacag gctgtttgct ttcgcgtctg  
144801 aaattgtgag tccaattct ggaaaagtgc ttctcgttc ttgtaggaga  
144851 agttgacatc cttgaagcgg attcaccagc ggcctcagc caatggtatt  
144901 gcactattct tctcgttcag tccaatggga tgatctgcca gttggtact  
144951 catgcgaacg cctacagcgt ccatctcaag actgatgcgc attcgcgcaa  
145001 ggcgcctttg ggcgtctatg gccagtagca atgcaatgat gaaggacatc  
145051 agtccgcggc gctgtttgac ctgctgcagc accaacactc cgtttagtcg  
145101 gatcacacgc gcaatggcg aactgcagc gctctcagc atggcgctgc  
145151 atcgagcttc cagccttgcg atgagcgttc ccgcgcgttc gactctcca  
145201 atgtacttgt ccatccgcct tctcatgaaa tctcagagc cgaaggcctt  
145251 tacaatccga attccgtgag aggtctctcg cagcgtctgc attatctgtc  
145301 cgattgaagc aatctccaat tccatgatct cccgcacttt tctcgttagc  
145351 acacgaaccc cggagatagc accaggtcca acagcgcgcg atcaactgta  
145401 aagtaacggt tgttggtatc ccatgcgcgc gacgagcccc attaacgaaa  
145451 acagatccgc tatgagggag gttacgcgca gctcaatgac cgtcagttcc  
145501 gctcgcgcat tgtttgtgag ggcgaaccaac agttctgaa atggtataat  
145551 cgaatagaaa gacagacccg tcaaatgac gctgtcaaa agcctcgctt  
145601 gctgtctgag gattatattt ttgcgcgctt gctgcagaaa tttagcttcg  
145651 atgagctctc caagtctgag gactgcgaaa atactcgcga ctatgctcga  
145701 gacgcgcgaa accctttcaa tgtcttttga gacgactgtg ctattgaaa  
145751 catcagcctc tatccagggc cttgcggagg tcatcagcgc taactcagac  
145801 atcgagcgcg ttgcgaattc gtaaccaggt gctgtgtgtt tgaatttttc  
145851 agctaaagac cgcattgaaa ggtcttttgt tgacttgaa atgaattttc  
145901 ggagcatcca attatccact ttccagtcgc gttctggaga ggagcggaac  
145951 gtcattttgt taagcagcat aggccttcgg tggcagccta aatgacccgt  
146001 gtcgggtcca aattgcgaag cacatgaacc tgccttgaga ccaactatt  
146051 tactaaggac aatccacccg tgcctatgat caaacctcta gtcgcgcctt  
146101 gctctcagc gctccacccg agctgcgaaa ccagcttaga taatgaagac  
146151 accatgtctc tactcaaaa accataaccc taatcagctg tactcggtgc  
146201 caaatcaagg ggcctcccca ctattggatg ggcacagctta gaagatcacg  
146251 ttatgatcgc gttgggtcgc caggaaacac gataacggaa agtgaaacac  
146301 cagctctcgc ggacatgctt attttgctca ttaccacacc acgtggggtt  
146351 ctgagctcgc tttttttaca attagacac ctgctctcga ctccgcgttc  
146401 cgtcgttctc gtcagcaacc gccaggtttt ggagcagcat cgcactcggt  
146451 tgagtgaata ttgcctatcg atcatgtgac gtaagaatat tgcctatgat  
146501 tttgcgcgct atcgagatgc aattctcgc cttcataagc gttcaattca  
146551 tctcaagagc ctctttgtga tgaatgatg tgtattggtt cccatagcca  
146601 aagactgtga tcttatgtat aggtgcgcgc aatctagttc agatcatgta  
146651 ggcgtttttt atcaacaaa agcagcttc cccagacgac ctactcaca  
146701 atcatatttt tctcttttgc gtaaaaaggt tgcctctgat agtcgcttc  
146751 tagcgtattg cgttaaaaaa ccaatgtaca atgacaacgc cnatgtcatt  
146801 aggaactctg aataaaaaat aacaaaaaat tttcacttga tgggctcttg  
146851 catcagctct ctttaagcgc ctgaggatat attaaagcg tttaaaaata  
146901 togaagttcg aaatatccgt ccgcctctgc attactat ctccgcgttc  
146951 ggatatgacc agaatacgtt ctggagcgcg tataaaaat agtcaacaaa  
147001 aggaagtgac acccatgcat taacgataga cgttcaatat agccaggttt  
147051 tcttccattt tttgaagcgt caaccagaga tctctattct caggttaaac  
147101 tctcccatca ttaaaaagaa togcgataaa cgtttgtcgc ccaagagaaa  
147151 agcgtataat gaggcgggt ttcttaaga cgtttgcgac gtcactcaa  
147201 aagatgtgat caatgggat aggtagtga tatgtatcc agtgcgttc  
147251 aagcgtgaat aatccacta tcaaatcgc cactgagatt aagcgcgtg  
147301 ttatgcctct tagagcagct ggaacggcgt cttgatgcct taactcgcga  
147351 ttaattggag tcaacgcgca ggaagtgat gtcgacatc ctgaggtgc  
147401 ccaatttagg agaagcgcgc gctgaaatg oggcagacca ctgctatga  
147451 atttctatg aattgcgcga agcaagaaa atacogtga tatgcgcga  
147501 tgaacggcgc cctgtatgac ggtcgtttct cccgttccca gttgtatgt  
147551 accagcgaac agcgtcaagg tcaagcaaat gaggtctgt ggcgcgagac  
147601 ccaagacgag atctgttcca agagcgacgc atatggcagc tctcatgga  
147651 atctcacc cactgtcgc aagcgagat ccaggtatga gtttatgc  
147701 atttggaac agtctcatc agtccaggtt ccaagaggtt atccctttc  
147751 gcagcgaac gactccgcgc atagtacgc ccaagacgyc tttgtgcact  
147801 cccagcgctc gcagcgctgt gtcagcgcga taagaagta cctgtccca  
147851 taggatgact gcaatgcagg ccagcagcag caaggtccg gcgcgtagc  
147901 gattacggc ggtctctatg gtagccggag gogaagcgc gttctatca  
147951 tcatgaaat agtcgcgtg ggaacagtc tgcacaaa caaacacac

00339644-199639

148001 atagaggacc acagacacaa gtccatagac gacaagctgt attgcagcaa  
 148051 actgctgtgg ttttcccgcg gtgcagaaat tgggcagcac gagagacagt  
 148101 gtccgagagt tgccagtata ccgcagctgcc gcgcagcgcg cattcaactg  
 148151 gaacgactgc tcgcgatggc gtgcgctgcc aagacagaga cagaggcgga  
 148201 tgacgcaatt gagcagcgtc atccagcgcg caaagacggt atctctcgcg  
 148251 acctcttgtt ttccctccgc gcgcggaagc atcaagaaac ctatgatcgc  
 148301 caactcgatg attgtcaagg agccggcgag gaggatcgct ccagagaggt  
 148351 ggcccacccg agcgccgaaga atttccgctg gatgtacgga agcaaaagcc  
 148401 ggcctgcgca gcagcccgcc gacctaacc agagctacga cggatctgtc  
 148451 cggcgagcgc tgcgcacatg tccatagcgg tcacacacaa ccgagagcgc  
 148501 gaatgatcca agaccacaga gggacgtgtg cggacctgac ctgcacattt  
 148551 gatttcattt tccatccctc ggtgatgagt atcgctggtt ccttgcgcgc  
 148601 taatcgcgct aacaaaacta aggtcttoga aagtcggcg agattgcaca  
 148651 agtctagtca gactctagac gagccgtcga gtttgcgctc aaccgcacct  
 148701 cattgcagat gcaagaagta tgccttgctt cgcctgcctt tcatgtgatt  
 148751 aggtgcgtca aggtctgcat gtaattgag gtgcacggag cttagctcca  
 148801 cagtccaatc caggtctcct attttgtgag gctctgctcg aggcgcaga  
 148851 cctcgctcgc caacgcttgc atcgctgcat cggagttgag aagcgtctt  
 148901 agctgtgtgc ctgctgcat ctccgagccc atggcgccc gtttcagct  
 148951 agccacactt gatgcgccca gctcaggtt ttccactaat ttgaatcgct  
 149001 gcagccgctg cgtttctcca agtctggagc agctggagct aatggtgtg  
 149051 tctctctcag ctgtgtgaaa gatgctgttg tactcacag caccggcggg  
 149101 aatgccttct ccttcgcacc gaagtaagtc ccaccaggtt tgaataaccc  
 149151 gacggtatcg ttccgttacc gctttgcccc tgtccacgat ccacgctgtt  
 149201 ctgctgtgct gaagtgaact ctgcgtaa ccg agttccacca atgtctcgc  
 149251 gcgcactaga tcggttaact ttgcatctc ttogatggtc atttgggttc  
 149301 gccaaagtct gactgagcgc ttgtgcactg cctttttctt caggagcgtt  
 149351 cgatcccaac agactactag ccggagatat cctgtttgct caactctcgc  
 149401 aaatacaatt ccggtgtgat cgtacgcgcg acgctgtgga agctgtgga  
 149451 ttctcgtgtc tgggpgctca accaagcgtt catagctac gacttgctg  
 149501 tgcgcggcgc ccgctttgat ccgaacgcgc ggttagccta acgagagatc  
 149551 ggccgagacc agtgagacag cagcagtagg cgtgcgggtt acgagctcgg  
 149601 cgagacagga tacactgttc ggcgggcacc ttctgaaac cagcgaagc  
 149651 cccacgctcg atttcagtga tgcgcgaatc gcatatggat tacgacaaa  
 149701 aaggatgtgt ggtgctctg gatcacagga atgcanaag tggagacca  
 149751 tccagtaacc cggagctctg tcgtcaaaac ttgcgtttgc cgtctgtgct  
 149801 agtatgttag agtaagcggc atgcgcaaaa actctgtgca acttatgcg  
 149851 atctatcgct cgcacaaatt cgcacagctt aactgattc agtatgcg  
 149901 ctgctgggtg acggtgtgct cctctcaaaa atgctctgag tgcacaatc  
 149951 agccagggct cagcgcggcg tgtgatctcc gggtgctgt ggcagcaatg  
 150001 ccgcacacag gtggtccccc agcgggggat gcgcaggaga aaacagatca  
 150051 gaggggagag gctgacatcg ccgctcatga gttccgatt cttatgctg  
 150101 ctgtgagaaa cacataccgc ccgcgcgtga gttttgatc gagcaactg  
 150151 gcgtgcgcga ccggttggtt acagtggtgt acaaccgaga atctctctc  
 150201 agaaccacgg ccacagacga tagcctcctt gatgcgcggc actttctcta  
 150251 acctctgctt gctatgcgcg gttctgcgaa gcccggtcaa atcgtttctg  
 150301 ccaatgcacg acctccatgc ttgtgatgtt ggcgcgagag agcaaaagc  
 150351 gtgcgaagtt cgaatctcgc gatggtgcag actgcatctt gccccaacga  
 150401 ggaacccaat gtgctgacat ccggaacgca ttgcagcata gttttttg  
 150451 cccacagctg aatgtttacg aagacgcttc gtcaacccca tcaaatgat  
 150501 ggctccagcc ctcagtgcgc tcgcaaatct ccatctccgc gcgaacggcg  
 150551 catggcgccg gagatgatg acgaaggagg gttcatgaa attcttctg  
 150601 ataagatttc gagatgacga tggggcagcc cgttttaa gccccctttt  
 150651 gcacccgcgt tcaaccctgt ccagcgggga gcagaggtca atctcaactg  
 150701 cagtatgccc gctggcgctt cacttggggc cagtgccagc cagtatcat  
 150751 taacgacccg ttctgggtg gagcgctga caagacgca tggatttcc  
 150801 gtccacgcca gacacacgc tgaatgat taaggcgag ttggtcgctc  
 150851 cttctagctc gccacagcgt gagcaggtt gttgcatcat gaatactctc  
 150901 cgtctttctt tcccataccc gcttccacga ccccccaag caactgaagt  
 150951 agcatttctc cgggcagctg ttcccacga gcaaggcgcg caaatgtgat  
 151001 gcgcaccagt gggacagccc gcaacatgga agaaacaaag ccgctcgtg  
 151051 ctcaagcttc gttttcttga gcaaacgctc acctccact ccgctgggaa  
 151101 actgagccac caattogaac gaagcgcta ggtcaagaat tgcgcgcga  
 151151 ggcagttgac cttcatcacg ctctcggcta ctatatccg tgtagatgaa  
 151201 cggctgtctt gttagagctc ctttgccgcg agcagtgacg tccagctgca  
 151251 cctctgcgca cttctcagct ataggttga atctgttga gacagctgca  
 151301 ctgcaccaat gttccagctc ccgagctctc actgagatg gttccgtaaa  
 151351 ccggacccac tgatattcgg aaagtggtat cttgggtggt gttattgagc  
 151401 ctgacagata ccaattcttt gcgtctccat ctccattact ggggtggaaa  
 151451 tgattctcgc cgtttcgatc actgatcgcg actcaaat gctctaat  
 151501 gtccaaagga cccatgtttt cctcacagc agcagggctt cgggggtctg  
 151551 gctcaagaga gaaagctcgc gcccttggag gaagctggag aaagcgtcgc  
 151601 gcatcgcttc caattatgca acogatgtcc agaatccgg gttccaggtt  
 151651 ttcaaggaag gaaagatctt gtccgtggcc ctccacgga gcggttgat  
 151701 ttctatgccc tccgacaaat tccgaaagc gttgctgaag agagattgat  
 151751 aggcctcttt taagataacc tctacttcc atgnaattac acctcaatat

09932964-082701

151801 tgattgcagtg tgcgggtgct gacggctggt Gaggcaattga gtgctgtgct  
151851 cggcgcttcgg tgaatcctca aggttatgtg gtcaaatgcc ggcgcctacg  
151901 tcatgagcgt ctgcggccca ccagcatggg tgaaggagag ggcgcgaact  
151951 acggcgattg tcataggcgg gacggcttt acagattgat tggacttgat  
152001 agtgggttcg ctgcagagtc ggcggcgatt ggtatgcagtc gcaactatcg  
152051 ctgctcccaa agccacagca gttcatttag gagcgcttca cgtggttct  
152101 gattggggcg gatgaggtcc aagatatgc cggcgggaga tctccatctg  
152151 atcgcatcga cggctgcgaa caactcggt gaaatccgca aggtcttcga  
152201 gctggaaggga ccgtgcgga tctcgatcc cgtctcttgc cgtatctaac  
152251 ccgtaatcgc agcgaactga tggaggcttg aataaggcgg caagcaaggc  
152301 gcaagtctac tccaatcttc cgtgacgca gtccgcttct tgaatgata  
152351 tgacccaacc acgagtcact ccaagtcggt ggtccaaaat gtgtccacgg  
152401 cctccgcaac cgaatccact atcggtccaa cattattggt gaaggcgtg  
152451 ttgagcgaaa tggggacacc tgttctgttc ctgaaggcgt tgaatgaact  
152501 ccaatacgtg tgattgatgt tgcgcgatac tgtttgcaa cgcgcgctac  
152551 catcgacatg cgtgacggca ccggacagat tgcgcttcca ttcgcgaca  
152601 ggcactacga aattcataaa gggaaattcc tgcctgctat ctgcgaatc  
152651 aaagaaactg ttggcgctct cctccaaacc ggtatggcga aaggggcgat  
152701 agccttcggg ctctctgaca atcgctgtga tgcgcttcgt cttctgggtg  
152751 ggcctagggt cggcaagaat gctacggcga ccagcgccag ggcgtccga  
152801 ttcgatctgt cctcgacacc agcgatcac ggcgcctatg ggcataact  
152851 cggctgctct gctggccaca tcatcgcagg gtctgattc aatgtgcgcg  
152901 ccccatgcta ttaattctgt ctccaggcgg cgttgcctcc cggatcagg  
152951 accccaatag aactcctgca aaagctccgg aggtgggag tgcctaggt  
153001 cattagacat catcaatgca ggcctaatg ccgacgcagg gtgctgtgac  
153051 ggggttgca cgaagatgct ttggaagatt ccgagcgca acagcttgcc  
153101 gttcaattgt cagtgtgtg ctactctctc ggcacagctc aagcgttta  
153151 tgcgggtgat ctgctgtgta tgcgctgaa cgtgaaacc aatcgtttg  
153201 agtgcctgt gcaacgagga acttaactct tcatgctgt ggtgaaacgt  
153251 catctcttgc cggcgtaact caatgtgtg agcgagctg gttctgggtg  
153301 gttccagata gatctgttag ccacgctgt ctatagctc agagactgt  
153351 tgaagagggt cggcatgggg agcggggtcg ccgtacggtg caagcccat  
153401 gaccttgat tcatcaaaa tgccttaac gagatatttt atgtctcaa  
153451 ggtacaaaag cctcaaaaga tgcctctccg gaaattgtcg aagcgggttg  
153501 acttcgtgc cggatcctac cgcacaaga ccgagcgca agtctccac  
153551 gcatcaatt gtcagatga gactttgttc gaaaccagac atagaaaagt  
153601 cgtccaggc gtcgacagg tgaatgctta cgaatgagat tgcgagcga  
153651 tgcactccac tccaatattc ctgcggcagg aaccacgca acacagctt  
153701 tgcactccac gattatgaca ttgpgactg agaaacgag agggcgctga  
153751 ccatagatt tgcgcttcga tgcgcttcga taacggcgag agagctgag  
153801 tgcgtgagt gaaacccggg gttatcaag cagtattgaa cgcgcggcgg  
153851 cggcagctgt ttggaattgt tgaattgtt aagtgcctcc tcttcgacg  
153901 cagctatcac ttggcgtct cggacgggaa ccgctgcacc gtgctgata  
153951 aatgtattcg gcagatcgag cgaattttg tgaattctgc tttagccgcc  
154001 actaagctct agacacagca tgtttgtctc aatctctgt cactgttaac  
154051 aggtaggcca tgtgtccga ctgaatttag tctttgcta agtcaagca  
154101 gtgctcttcc tgcgtaggt caggacgca aacggcgctg agcagtcoc  
154151 acagataaga agaatggcat cactgcaat atgcaaaagg cgtgatatt  
154201 cagagcgagc cctccgctg ggggatctag catcgctgga cgaatgagat  
154251 cgtatgatt tgcagcggtg agagatgag atagctctg aagactgac  
154301 ggcagttggt tgaactggaa aacgctctc gacaaaaca gcaatgggtg  
154351 gagggaagag gtcctgttaa atatgaata atctaacgg ggcgcagcg  
154401 ctgtgcagat catcgccagg cttgcaaaag cgaacccggt gagtgcgac  
154451 actggcaagg caaagagaa cggatggcac gatgcaaaag ccattgtgac  
154501 tgcacagagc atcattgctg tcccgcccaa taacgcttgc ctgtgtgcc  
154551 acgcagttc acggagggag atgtcccgca ggtgaggtg ggtgcacag  
154601 gctgattccc aagtctggt tgcctgcat cgttgaacc atgcagagc  
154651 agtctgaac gtccgggaga tcaattgctg tgttgaacc atgcagagc  
154701 ccaagaaagg gacatgga atgcgtgca cggacccacc cattedgac  
154751 agggcgagc cggacggga caggcgagtc acggcgctg agactgac  
154801 agaatctga ggcagcggt ctctctcca cttctatgaa ttacggcgcc  
154851 acacggcaat ccaattccaa ggaattggcg gttagacggc cgcgttaact  
154901 ttccacatcg ctcaactctt catttgccgc ccgctcaacc gcaagcaac  
154951 atcttcgaga ttcggtggac gctgcaatg cgttagaccg gttgcgcgc  
155001 gcaattgcaa ggcgaactgt cctggatcgg aagaatgca aaacagcgt  
155051 tcaacgctca cttcgacag ctgagcatat ggttcgacaa ctgaagtcag  
155101 ctcocgggga ttgcgcgct agatctcaat cactgtgac ccgatctgt  
155151 cgtcgattag cgcgtgagg cggccttcca cgtatctcc tccgtgctg  
155201 ataacaca agcgttcca taatcggttc gctcttcca tgaagtggg  
155251 actcagtaga atcgtctgc caagcgcaaa caaggaacgg acgcttcc  
155301 atattagttg ggtatgagc ggtatgagc cgtgagtcg ctatccag  
155351 atcagagct ggggtgctt gctagagca caagcagcg tcaagcgtg  
155401 ctgcatacgg ccggataatt ggcgcaggg taatccgct tgcgtctga  
155451 ggcagagcaa atcgagcagt ggttggatg ctctctcag ctgcgagta  
155501 tgcagcgca agtaacgtcc gaacacagt aggtcttgc ggcgctgaa  
155551 ctcgagatca agtgtgtcga atcgaggac caccctatg cgtgtgcgg

0030964-002701

```

155601 ccaaaagcgc gggggctggc accggctctc cgagcaactg gatcgtgect
155651 tcatacagcc gtgcacggcc gagaaccaga cggcgatcac tctctccgag gtgatgttgc
155701 cgcacggcttc ggtccacgca aggcagaaca cctttgtggc cctacagact actgcgttgc
155751 atgcacgttg gtgcacaaag cctttgtggc cggagatagg aattatccgt
155801 gtaagctcga ttgcacatc tgattttggg tgcattgtct tcaggccggc
155851 attgctatgc ccgtggcact tctgcttgag tgcattgtct tcaggccggc
155901 ggcagcggta gctttgagac tttgctcgag tcaatagctg caattttccg
155951 tcttatctta aattgctgt cctgtttggc atagccggtc acgttcacgc
156001 cagtgaactga ctgatgtcag cagcctcgca agctgcgcaa gactgagcca
156051 ggcagcgggg tgcgcaggtt tcagacggct ccgcagcgct tgttttagac
156101 atgggggttca ggaagaatct ttacgcgctt ggttcgggca cgcggggagc
156151 cagcgcagag ccagctcgctg ttgtctcaag tgcaaacgcg atctgctttg
156201 agggggagag ggaagagcag gttagggagg gtgtgcaggg aaaccccaag
156251 gatcgcagc tctcgcgctc gaaagcgcc cagcggcggt gggccataga
156301 tcatagatgc aatcatcagg atctcgacc aaggcaactg ggcgtcaga
156351 ggcagctgtg ctagccccgt caggaccgag agggctaggg cagcgggacc
156401 aagattctgt ccgatcaagt ccagcgttaag atagcgatca aggcgcggca
156451 gtaggcggag ccgcagacat gtgtcgcgaa acgtgtcgcg tgcaccgccc
156501 agttgtttgc gcagataggg gcccatcgag ttgttgacga ccgtgcgcgc
156551 gatggcttcc ggaacgtact cggttcgaaa gcttgcattc agcatgagga
156601 ttgtgaggtg cgggtcttcc ccgaagtgcg ttgcccgtgc tcgaacactg
156651 tggctctcgt atttatcgag cagcaatagg artgcgggac cgcggtacat
156701 ggaacccggg gttgcagggc agcccgactc acatgagat ccaacggctc
156751 agccatgtgt cgttcggggt gtggcgcgct aactgacca tccgcggccc
156801 gacccgggga ctgtacatct tcagggcaag ttctgtact agtccggcg
156851 caatggtcgt gtccagtgca acgttgagca ccaaatctcc cgtgatttcc
156901 cgtatcgaga caatctgcgc cttagcgctt ccgacgttct tggccatcag
156951 gataaagcgg aaactcgggt cgcacggata atgatgtgt acaggtatga
157001 tggcgttgag attgcagaaa ccgtgtccta ccagctagac cgcgaactct
157051 ccagcgtagt cctgctttgc aatggagagt aggcacggcg agagcggcag
157101 cggatcctca ttgtagcagg gtacgataac atccacgctc ggcgttgca
157151 cggagcgggt cagggggcgt gaagcagctg tgggtttttg tggcaaaagg
157201 caatcgtctg gatcggtgtc gaggctgtgc gaggctgtgt ctaacagga
157301 gatggctatg cgcggcggtg tgcacagagc atcatgaaa aaacctcgt
157351 ttaatgattc tgggaagcgg agcggatatt aaatccggcg ttgtgcagcg
157401 cagggtatgag acgagacaa cgcgcacacg tctgtgtcgc aaactggcg
157451 tcagttgttc ccaactcgtc gggaggggac ccactgtgca gggaaatgat
157501 tgaacccggc cggacggagg cagatccgcg atcagagat gtgcgtatga
157551 cggggcggga ccagtcocgc ggtccacag ccagtgcaac agcccgcaat
157601 ccagcgtttg ccgatgttgt cagcagtgca tgcctccaaa tctcgttaag
157651 ccgcagctatg gtcgcacacg aagcctcggg gaaaggcaat ctgatggccc
157701 tgttgccttc gactacttgg cgttccacgt ccacagctcc caggtggagc
157751 aggtccggat ggttcattgt atgtgtggg acctcgtccc cttggcgaac
157801 catgctcgg atgagttggg ggcgtcttct agcatagcc ccgatgaga
157851 agaaagtgcg cgggacacgg ttctcggcca gcaactcagg gacctcaggg
157901 gtaaaacccg ggttaggacc cgtctcaaa gtccagtaga cgtctggggc
157951 cccagtgccc cttctgggga cgtccggagg atagtcacg tgttcaatg
158001 ttccggagcc tttcgttoga tcaagtgtgc ggtatggcat tgcctcattg
158051 gaagtcacat cggaaagacc acaacgagta cgtctcagt gcggtttggc
158101 ggcaggttga gatagacatc tgaaggggtg gacgcgacgc gaacgcgacg
158151 ccaaatgttc ccgagacagt ttccggagag tctgcccaac agtttgtaca
158201 ggcgctggcg aacggcgcca aatcggaaac gaacgcgaag cctgtgcgcg
158251 ccggatcaca gtagcgagat gtagctgttg agcccgagtc cttgcagctc
158301 ccggagcaac cccagcaaac ccagtcgcg cacaacaga tggcgatcgc
158351 ccaactgat aaagcggcgc aacagcccca tgtgagcag cactccgtga
158401 ggcgtgtagc gcattacacg gagctccggc cttgctcgg cccaactgtg
158451 ccaacttcca aatggtcttg cttggaagct cccggtcgggt ccatagatgt
158501 tcgggaagaa ctcagcgagt tcaagtgtgt cggagagctc cagctcattt
158551 tccagcaca gtttccacgc catctgagga cgcatacca aagaactcca
158601 catcttgtcg cttctgaaa cgtacatcaa acgtccgaaa tggccggggt
158651 cgtatggagg ccacacgtgt cgtcgaaccc gcatgggga ccaagtgtgt
158701 tgcattaccc tgcacagtga gtaggggaca tttcccgacc tttccgtat
158751 actcgcaaat cgtctcagcg gacacactgt atttcttcaa acgttgagat
158801 cttctaatag tgattgtgtg gatcgtcaa atgtatggt tagcaaatga
158851 ccttcaatcc tgttgataca cccggcccaa gtcctcgtg tagcaaatga
158901 tgatgaagca acccgacacc gggcggggag catcagcttc gggccgcaac
158951 tcatggcggt gggccacgcg tctcgaaacc aaggagttg gatcaagaa
159001 caggtgaga cttggcgccc aagggcaatg aagtaatac cgtactcgt
159051 cccggcgctg tccgcagata cgtttggggc acagccacgg cttgttcggt
159101 tggggcagct ataccagga cgtccgcttc tgcgatcagg cgtgatctt
159151 tctgttagga tggacggtg gttcaaccaa ataccgcaag cggctcgggg
159201 cgtatttggc cgcgcggct cgcgctctga acgcagggct cgcggctgt
159251 gtcgggggg cgtcactgga gctcgaagt gtcggagct atcccaatcc
159301 ggcagagct tcaaatgac ggcgtcgtc cgtcttctc ctcgacccg
159351 ttggttgcct ttgaacat gggatcaag ctttgcacgc caggggtcac

```

00220-4362560

159401 gtgccttacc tggcgcgctc ctaaggcttc ggcacatctg gcggtgaagv  
 159451 tgcgcgctcc gatctctca cgcctgttag cgcgtttctt gaagggcaaa  
 159501 ctgcgcgcga gaagatccat cagagccaga aaattctctg gcttgatgat  
 159551 ggttggtgtt ccacgcgcga agtgacgtc gctcaccggc aggcctctgcg  
 159601 gcgcttgggc tgctaccaaa ctattctctt cactagcgcc gctcagatgat  
 159651 cagggatcga tgcgtctoga cgaattatgc tgttgggaaa tcgcacatag  
 159701 cagcacatcg accgacagat cggaaatgtg agatacaacg acaccggatc  
 159751 tgcgcgcggc aagtctctca gccacccttt actagcttca gcgcgcagcg  
 159801 ctgcggagaa atcgcgtata gtgcagtctg taccattgta ggtgcgcctc  
 159851 gcagtaactt tgcgaagatg gaggtcacgc gcgcgcacct ttgatcaaa  
 159901 cgcgctggcg cgcctgtctt ttgcgcgtca gccattatgt cctccgcctc  
 159951 aagcctctca gcgggcgcgc ctgcgcttcg cagggatctt caaaatcnaa  
 160001 ccagttgcgt cgcgaacatt cgcgtcagat cttagcggtt cttttcaatt  
 160051 ccttagtctg gacgcgaaca acaagggaac taanaaatga tctctgtcgc  
 160101 ggtattgaca aacgggacag agttgtacgc aatcgattta cattttgctt  
 160151 gccaaaggcc gacggcaaat tctgtcagcg gttgagctac ctgcgtgagc  
 160201 ttgctgcggg ggacacgcct tggcgaaagt gggaatgggt gctgttcaga  
 160251 agtagctcag ttgaatatcc acaaaacgcg agtagccttg ctgtttctgc  
 160301 gaggaggagg ctaggcgagg ccgttatccc ggccgcgcgc gggttcgacc  
 160351 ccgcgcttgc atttctgcca ctgaggagca gcagctcggg ttgagttgat  
 160401 tccgttgctca agttgtggag cagacacagc agctcgaga cggttgagcg  
 160451 atgaacggcg cgtgcgcgcg cccacagagg agctcgatcg ggcgctgag  
 160501 agggatgaga tggttgcggg ccaacgctta acagcaaatg gcagcgagat  
 160551 ggggggaaga attcgcacat gctctcattta ttgcacatga tagcatgtg  
 160601 aaagcagcct tggccattct gcaacttgaa ctatctgtcg gatcccgct  
 160651 ttcgcgcact acaaaattgc gcacacttca cgcgctggca tgcctggatt  
 160701 ctctatagag ctaaaacagc aatggacagc gaagcaatcg ggctcgcaat  
 160751 agcttttttt gtcattgcac tggcgtatgc agcagctggg caagctggcg  
 160801 catcaggcta cattgcgcgc atggcgcttt ctggtttttc gcggttgagc  
 160851 attaaacgca cagctcttgc tttagaactc atggtctcag cgtatggacc  
 160901 ggcccaattc ctgaagtggt cagcgggttc ctggcgtaac ggttatccct  
 160951 tgcgaattct agcttttcgc gcttcggctc tccgttgcttc agtgcacctc  
 161001 ccgcgaattc tctctaacgc gctctcgagg ctgatctcgg tagtttcgcg  
 161051 catcgaatg gcgcgatcgc cctgttcgca gagcgcgttg gtcataaaca  
 161101 ttccgaaaac gcgcgcacta cagctgcacat tgataccggg agctgttatc  
 161151 ggttttgtct cgggcaacgac cgggacggga ggccgggtat tctctgcacc  
 161201 agtgatcctt tccaagaatt ggggaacagc acatcagact gctgtgcctg  
 161251 cggcggttta taatttaagt aactcaacgc ctgccttgat tggagtgct  
 161301 gcttctcgga atgcacttc aaactttctc ccgttggtgt tgattcggt  
 161351 agcgcgaggt ggcgtgatag gcggtttaat cgggaacgga tatcttccg  
 161401 ctctctggct tgcgctcatt tcttcgttgc ttctgatggt atcagcgctc  
 161451 aagctgcttt ggcgatggag tgcgcatttg ctgtagcgga aaactcttgc  
 161501 ccagatctgc gcgggagcgc gcgcgaagcg gccacattct catctcgctc  
 161551 taagaccgag agggccaatt gtgcgtgaat gtaactccg atgacgcgac  
 161601 tctccaccag cagcgtacct ggaacgtggc tggcgcgctt gcgcgcagv  
 161651 tgcagcgtc caattcagca catcatgacg cgcacagcca ctctgtctgt  
 161701 tacgatgcgc gatattgcga gcgtcccgaa acccaacttg ccgcctatcg  
 161751 caactcgtc gccacgaatc tgaatggcgc gatctctaaa gaacatcgca  
 161801 aattcgagcg cgttgcgcgc tcaatagata aggtccggcg tccagggta  
 161851 tcggacagct ctctgcgaat accgcaggtt gtccgggcca tatccaaagt  
 161901 cggcataatc gtgatgcga atatttatt tactgccttt agcaatgctg  
 161951 caaaaacgac cagctttgat ttgcattgat attgaacag tcccgaggtg  
 162001 ctggcgttga cccgtttgtt cgggtccagc aaagattcac ccgttgagc  
 162051 catatcggtt cccgtctgta caggtcccgg gttgtccata aggtgggaca  
 162101 gctttgggca gatgtacgc tctctacgt tacacttgac ctacatctg  
 162151 cgtgaatgag ttttgcggcg agttggggca accatggccc cgtttacggc  
 162201 gcgcccatct agaaggctgc ggggagcagt cgtctttct gcgcgcgac  
 162251 gctcggcatg tgactatttc gggatttcta cattgccttc aaatatgagc  
 162301 ttaacggcgg atctcattgc agatttgcct agcggcgcaa acgaggtcga  
 162351 caaactcaac cctcatgaaa taaggcgctt cctagacgcg tcgattgcaa  
 162401 ccatcccgga tgtgcgcgaa cagcagtgtg tcgcaagttc atatatgag  
 162451 ggcgttggcg ttgtctcttg aatatcgtca gagcgcgttg gccacatctc  
 162501 tggaggagat gtcaggcgct attcgttcaa tgcgcgggaa gctcagagtg  
 162551 catgtgtgtc aacgcgtgtc gattgagctg tctgcgcgcg cggagtcgcg  
 162601 accactccag ctatctcga tcccgcttca cgcgtcgagg cgtatcggtg  
 162651 caatcccgag aggtatgccc gaagattgct tcagtcgacg ctgtttattg  
 162701 gaacccgcgt atccgattcg cgcagatgtc gaataacgca catagggctg  
 162751 tcgagaggca gcttcttgtt tggaaacgat ttctgttgg catgatacat  
 162801 gcaggctaac ccgcgaatgc ccgagttgag gacttctgag gaggatgag  
 162851 gactaacccg caagagtcca gttcgggggt cgtcagcctt ccccgggcaa  
 162901 cggagatccg aacagcgagg ggccggcaca tagaaagca accggcgaga  
 162951 ggcgctttaa cagtgggtgc tgcgtggaga tcaatccctt gcaatggctt  
 163001 cgcgcgata agtctgtaga aaatatgaca agagtgctgc caatggctt  
 163051 actggaatc gctgtctcgc gactgcgtcg ctgcgagcgc gactgcgtt  
 163101 agattcaat cgcgcgcgaa aggggggggt tgttgagcga tggcatttg  
 163151 ctggggcccg gctgtcgac cactgggaaa ttgttcggcg agctctttct

00939964-082701

163201	tggagccgca	aaagccgcga	cgcttcgctg	gcgagctgga	cgtagagccg
163251	ggagccgctg	tacagcgatg	ggagcgctat	ggcaacacag	gagagccgca
163301	ggggcagctg	tatagagcga	gtctcgatcg	tgcagccgaa	gagagccgca
163351	ccatcgatcg	agccgacatt	ttctgaagcg	gggaattgag	tactatagag
163401	caagctcgac	accacaaacg	ttctcagcag	ccggaaacag	gtggagttac
163451	aaagagctcg	ggatcgccgt	gttcatcaga	cttaaccgta	tgcacatcag
163501	gcgatctcgt	gccacagctaa	gcacatgcag	ccgaatggcg	ccgtgcgcgcg
163551	ggtccggcag	gcccatctggt	agatctgctg	ggagttggcg	acagagccctc
163601	tctcttcgca	ccgcgaagggg	ccaattgcgt	ggcgaaagtc	ccgagaaagtg
163651	ggccgcctcg	ggccacacgc	agatctcgcc	agccagcctt	atactctctc
163701	tccacacatg	accggacagg	acattcgctg	ctcgagggct	gagttttccg
163751	ctctggggcg	tgtgaagcgg	atggagacga	ccgcctacgt	caacttccgc
163801	ctctggcgct	gtagacacgg	gatacctcgt	gtaacgcgaag	ctgtctctgtg
163851	ccaatatctg	gttttaacgt	gagagcgtcg	ggagccagac	ggcgggcttg
163901	agttggagta	gcataaacct	gagagcgtcg	agctggagag	taccgcagag
163951	caggagcaga	ttttttgtcg	agcccgccgt	agtggaatag	taccgcagag
164001	agaaacgcgt	atacatctgc	gcgggggcga	tgcgcagagt	ttatgtggatg
164051	catggcgcaa	tctctatcgc	ggagctggcg	tggcggtatg	ccgacgcgcgc
164101	cgaggggtat	ctctcccgaa	agatagatcg	gagattcttc	ggcttgagag
164151	ggggctcnaa	ggtatctgtt	tcatcgatcg	ttctgcgcga	agccagacag
164201	ctggcgccgt	tttggttctg	ataaacgctg	aatcatctcc	caacttttgc
164251	tgaagctcga	agtcggccgc	ttgggttgga	cagacggcgt	gacgacttatg
164301	ggcgctcctg	gggttttctg	aaagaagcga	actbgcnaaa	cccggaagtc
164351	acagcgccgc	gtctcaaacg	caagttcgcc	aggaattctc	ggcgagagcg
164401	ggcgcccgcc	ggcgacacgt	ggcgccggcg	agggctcttg	agcagactga
164451	gtcttttcgc	ggcgacacgt	gctttgcgcg	ggcgccggcg	ggcgccggcg
164501	ccagatcaga	ggtatccgct	ccgagcgccg	ccgctttgca	ggcgccggcg
164551	aaactgttcg	accctgtctt	tattccctat	catagagaca	gttcgcnaaa
164601	tggagagctt	tgaagagcgc	agccggcttc	gggtgcgcgc	tctttggagtg
164651	atacaacccg	gagccggcgc	ctgatttatg	gaagatgagc	agctgcggctg
164701	tgtcgcgaaa	agcgtttcgc	ggagagagcg	tgtcgtcgcc	acggcccgctg
164751	atgacggctc	caagtctcgc	cttgtgaacg	ctgtggcgcc	ctgtcttcgc
164801	cagggtttgc	accggccgaa	acaaacgcgt	ggtttttctg	ccggctgtgc
164851	catcgccgaa	acttttgtgc	ccgtgagaca	ggtaactcga	ctcgtctgcg
164901	tggagccgcg	gggtgcgtct	ctctcccgcc	gcataggagt	tgttgcggcg
164951	agccgcctgc	gttgtgtctg	ggagccggag	ctgcagctgt	agggcgtctg
165001	ggcgcccgcc	ggggggcgcg	atgctgttgc	gtatcctctg	ttctctccgg
165051	ctcaaatgct	gttgtgtctg	ggcgccggcg	aggtgtcgaa	actgtgcgag
165101	ggtttccatc	gtttcgtctg	ggcgccggcg	ccgcttcgaa	ccgtgtcnaa
165151	tttgagcgca	atgtttttgt	ggttcctcgc	ccctttacac	aaagagttgtg
165201	agttgacgtt	agctgacggc	aggggagcgt	ccatttcgag	gatagcagctg
165251	acgctggcgc	gtctgtctctg	ctctttcgcg	aaaggcgctg	gatagcagctg
165301	tcaaccgcgc	agctcagtta	ttttctctgc	gggaatcgact	ggagcagctc
165351	tcagaaaacg	tggggcgccg	agcaagttgc	atcgatttat	tctatttgaa
165401	atacagagcc	atactgcgtc	aatgtgtcca	tgatctcnaa	gctgtcgtat
165451	cttctctcgc	atgttgtctg	cgcttcaact	gcgtcgtcgc	gcagatcaga
165501	agcctctcgc	gtctaaacgc	ctatccagct	agggagcgcc	gcgatctgga
165551	agggcagtg	atctgacacg	gagggcgctg	tcgttgtctc	ggcaattgaag
165601	atctgacgca	gagatgtgca	gcgcggcgct	cgccgtctgc	agccgcagctg
165651	cgccctcgct	gagatgtgca	ggcgccggcg	ccagcgccgc	agccctgcgag
165701	cgagcgccga	tgggtgtctg	gccacagagc	ccagcgccgc	agccctgcgag
165751	tgactgttgt	taccgcgcga	acggcccgctg	ccgcnaacct	ggcgccggcg
165801	tatcgagcgt	gagcgtgttg	tcatcgagcc	ggcgacagat	tgcaactctg
165851	gttgtgtctc	ggcgtctcgc	aaagtgcgcg	aggaagctac	cgagacgtctg
165901	gaagatagtc	cacgcggcgtt	ccaaagtctc	ggagcgtgtg	ggcgaaaagt
165951	ccctctgcgc	gactgtgagc	ctgcagtcat	gcgcgcgcga	ccctctcact
166001	ccacgcgcgc	cggtttttat	ggggcgccac	tgcgtggcag	gatactctca
166051	gcagagttcg	gactgcagac	ccgcctcnaa	ggcgagagct	cccggttcga
166101	atcgaggggt	atcgatttat	gcacctcgag	gtgtgcgcga	caagttgggt
166151	accacagcag	cgctctcttg	ctgtctctgc	atctgacgta	ggcgactcga
166201	caggacgaaa	tgctgcagcg	ggcgccggcg	gacttcagtg	tgagttgtgt
166251					



170801	tgttgcagatt	tcogggttga	ccgttgatag	atattcttc	ggacttctaa
170802	ttctgcagatt	ctctttctgc	ccattctgcg	cgacacactt	ttctctcaaa
170803	cgatttggct	ctctctctgc	aagatgaagc	tggccgatgt	cgccagcgcc
170804	gtatttggac	ctatagacgt	gaagaataat	tgcccgccgt	ccacacagct
171001	gcacagatga	ccatctctgt	catcatctct	ccagacggctg	cgtaccgtct
171002	gcacattgct	tcogattaac	tcacacggaa	gtgatgtctg	tgtctgtatc
171003	tcagctggct	cgagcatata	aagttgtctc	ctatctgtgtt	ctatcatctc
171101	tcagctggct	gagttgcctc	cacacagcgg	acagactcgg	ctacacagcgg
171102	tcagctggct	gagttgcctc	gagttgtacc	agctcgtgtc	caggagctgc
171201	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171202	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171301	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171302	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171303	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171304	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171305	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171306	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171307	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171308	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171309	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171310	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171311	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171312	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171313	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171314	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171315	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171316	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171317	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171318	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171319	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171320	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171321	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171322	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171323	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171324	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171325	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171326	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171327	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171328	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171329	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171330	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171331	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171332	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171333	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171334	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171335	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171336	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171337	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171338	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171339	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171340	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171341	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171342	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171343	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171344	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171345	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171346	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171347	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171348	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171349	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171350	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct
171351	tcagctggct	tcagctggct	tcagctggct	tcagctggct	tcagctggct



174601 aatcgcaacc cagcaacctct togcactatt cgtatatctt ttcagcgtct  
 174651 cgaacgacgc ttccatgggg tgcgtatcat ttgttgggac agcaagattt  
 174701 ccaaatgttc gcccaaacat gacaaaat ggcgttcact cgtgcacaaa  
 174751 atagcgttgt ccagagaata tatcgccggc tatgaactgc attttcaacc  
 174801 ctaaacggga tgacaattgt gctatgtccc caggaattc ttttgacggc  
 174851 tcgacgagcg tgcaacgtga ggtttgcctt cgcagaccta taacagacga  
 174901 aagcgttttc tgttggaaag ctgcacgtgt tccagggcca tactccagaa  
 174951 ccgaatttcc tttaagacat cgttctgcct ggtgatgcca ttgaacataa  
 175001 tctgtgactc tcccggtgaag tttttgggct aacttgagt cagatccacc  
 175051 cttatgtgtt gtccgcagta cgcagcgact actgatcttc tgggttccag  
 175101 ccttagccca taacaaacgc cactcatgt gatgcactt ccggtgact  
 175151 ccagctgtgt gaggctattg ttccgcaact aagtacggcg cactactttg  
 175201 ccgaacacgc tgcaaaattg ttccaagaaa gctcaagctt atcgctcttc  
 175251 gatcttttaa cggcgttgtg gatcccaagt tgcgaactt acgcgcgcaa  
 175301 acgaagatgg tgcggttgtt ccatgatgtt gttcatgggg tgttccatga  
 175351 acccatagga gaggctacag ggttggaaag agtaactcct gacgtggact  
 175401 aaagcaaac ccgaatactg gagggggttg acaaatgac gctggaagac  
 175451 gcgcctctgc gatcactaca cgtcttttc ctgggttaga aatacgcgc  
 175501 gggatcgaaa aagcgggtgt gttggcaacg gctgcggtt cagtcgcgaa  
 175551 gttgcgcgtt gtgaagatgc ttgttcaatt gactacctt tacgcgcggy  
 175601 tctataaat ttgaatggcg atgcgtctt ttgtgtccc cggcgagcgc  
 175651 tgcgtatgta ttggttgcgc gaagcaactc cgcgcgcgcg gcggttgaaa  
 175701 aaacggttct tgcgtttcgc gtgcgaacgc ccagatggcg gcttccataa  
 175751 tccactgaag cagcgtctcc ttgttgacgc caacgcgggtt gogtctgact  
 175801 agcttctggt ccgcacaggt cgttcgaaa tccaggtaat gctacagcgt  
 175851 caggttcagc accaggttgc ggaattcttc cgtgtggggc tatatttccg  
 175901 gaagcgcgcg agccaaagta tgaatgcga cgcgcttgtt cagcgcgagc  
 175951 gcgcaattct catggagcga gtttatcgca taaccttag ctttgtattg  
 176001 agacgcgaag ttgctaactt cgcgttcaaa ttgaaggggc gttttgaaa  
 176051 actatgtgtt caatgcttct tgcagcggtt ggcttgcag tgcgtgcgac  
 176101 cagcaacttg cgggttaatt ttgcgcactt caacaaagc cggaaattgt  
 176151 ttccgcgtt atgcgtctc cgtgcacgt ccggtgaagc aagcctaagt  
 176201 ctgtccaaag cagatctcgg atatgtcgtt ttgaagggag tgggttgcaa  
 176251 gaccaaagag gagcgaaga ctgacggcgc ttcgattccg ccgcattctt  
 176301 aacgctttgt cggttcccca tgggaagcgc gctatattcg tgcagcgcgc  
 176351 atccatgact ggtactgcga cagcaacggt cgaacttggg aagagcgcgc  
 176401 tgcgctcttc tatgacacca tgcctggcag cgcgttggag aaacgcgaaa  
 176451 cgaatttgtt gttctacgac gttctatcgt ttgttccagc ctggggctat  
 176501 ctctgtccgc gaggaagtgt tgcggttggv aagaactgca tccagatgac  
 176551 aggaaggaag cgcgcgttgc tgcagttgac tgggaattg gcagatcagt  
 176601 cgcgcgcgag cgaattgaag ggcatacga agcaactgca tctccagggg  
 176651 tctcttgtt atgcttaac gtttgtgaa ctttgtgga tgcgcgagga  
 176701 agctcaaccc aagcaaacac ttctgtaca gcggcgtgcc ggtgttgaaa  
 176751 agatcaccaa gtaacgggtc aagtgtcga tggaggagcg gaggagaggt  
 176801 gacgctcttt caagacgcag agcaactaac gatcttgaga agcagatca  
 176851 tgcgttcaac cgggggccaa gttaggcttc gtcaactagc ggaaagtctc  
 176901 agtttgtgtc tgaagtctgc agcgcacgag tctttgctat ttccgatata  
 176951 cgacaggctt tgcgaataa cgcgcagggc tccgaacttg cagttaattg  
 177001 gcaaggaag agggcgcggt tgaacccagv gtttagagag aggtcgtc  
 177051 ggttcggggt cccgggcgaa gccacacctg cgcagttgca cccggcgcgc  
 177101 cggcgaggggt actgaagatt tctgggaaca ggaaggtatc aagtttgtgt  
 177151 gtgcgggga tgcctgtctc ttgcgcagag tgcgaagcgt gatcgagag  
 177201 agccgcgag agccgcgaga caaagtcgtc cccgcgcggc gcgcgcgggt  
 177251 ggcgcagacc ttctgattcg ttgcgatac ccaagcttgc caggagtgtc  
 177301 agggcgatat agtcgcgat cctattctcg ccgacagaca gcaggaaagt  
 177351 cagccgcgagc tteatgcgag cgtctgttgt ctcggttgtt acaagcgcgc  
 177401 gcgcgcgcgc gacccatgct cctcgtatgc gtttgacag caatgcgaa  
 177451 cgttttgtgt ctattctgct ccagcagga tagggcacct ccggcagggc  
 177501 atcgcgcgag aggggaatga tccgttaata tctatgcgt ctgcgttccg  
 177551 aaagggttct gctgatcacc gcttttgcc gttcgggtgc gcctctcgc  
 177601 cagttagagc tctgatggtt ctttgtatgt ttgagatggc gcatcacgaa  
 177651 atatttggtc ttcgcgggag cgaagcttgta ttctgttgtt ggcgaagcct  
 177701 ccagagaga gtcgcgcgga ccgcgcgaga acccgttgtc gatcgagag  
 177751 gttctctccc gctctctgct cgcgcgcgta ctaggcgcca cgcgttgtct  
 177801 cagatcatg aacccggtgt ggtgtccttc ggcgcgcgag cgcagcaagt  
 177851 gatcaggttt gaagcgtacc tgcctggcga cgcgcgtcac cagcgcgtc  
 177901 gcaatgtgta gcaaccgcag cggcggttgc ccatgcgcga gaaaggtgtc  
 177951 cccctcggga aagggcgoga tcatgatac ggtctgatcg gccttttgtc  
 178001 cgttccgttc attgggcggv ggcgggtcct tcatcaggggt gaagcgaca  
 178051 aattogaagv ggttgttgtt gatgagcca ccatcgacag agacgaaca  
 178101 aaagggtatg tcttgacagc cgcagacatg ccaacgcgtcc ggcacgtgtc  
 178151 gtatgtgtct gactgttgtt tgatctctgg aaatcggaaa ctttgttgtt  
 178201 gcatattggt tctgtgaggt cgtctgttgt cgttgtgaaa ggcgaactgc  
 178251 gaagcgcgcg gaggcagggv ggcattggc taggcgcga cttctgcggt  
 178301 ggcgcttgc cgcgcgcgcg gcgcgcgaca ctgcctggc cgcgctgcac  
 178351 gtcccgcaat ctgtgtgcgc gaaggggtgt gggctggctt tccagtgcgc

0935964.082701

178401 gatgccctcg accacgtagt gcacgcggtc ggcgctggctc atcattgtgt  
178451 attggccgcc gttgaagtag atcgctgaag gcacgcggcg caagcttgag  
178501 agcatcatgt agagatggag cgaactggcg acataggcgc gtggcgctgag  
178551 ggtaaccgctc gccctccaaag ccttcagcccc aatcgcggtc aacacgctgag  
178601 cgttgagaaac cagagatgaac ggccgcggcg ccgcacggtc tctcgagcac  
178651 agcaggttcgg vtgagcggctc gggggaaaccc agcgtcgggc tggtaaccac  
178701 ggcacgctga agactgcgga ggagcctcgc ggcgcggcgc ggcgatcacg  
178751 cgggactctgg gaaggttcgag gccacgagag accttcgcgc ttgcgctttt  
178801 ccaatggcgcg cgggtgatcgc gccacgagag accttcgcgc ttgcgctttt  
178851 gcgacagctcg tactcctggca agtcggagag accttcgcgc ttgcgctttt  
178901 cccatgcgctc gagtgccctg atcagaaagt cgaagacgac ggccgaatag  
178951 gctcccgccg aaatgcgacc cgcacatgca atcgcatgt cgaacgttag  
179001 tttagagcgc tcggatcatca ctgttccctc agttgagcgg ccgcgcatgg  
179051 atccctgcgg gcgcacatgac gttcgtgcgc ggctgcgcgc ggctgottac  
179101 aatgtcttca ggtatgcaat gagcgccggc ttctcatcgc gcttccacgc  
179151 cgggcctatg acgcgcgggc cgggggtgtc gctgaattcg tgaccggcat  
179201 tgcatttcgc cgggttttgc gtgtcgcaat tactcgcat tgccgagaca  
179251 tcggttagat agccaaagct gtccgggtgc aagcaggca tgcgtggctg  
179301 gaacgcttca ggcggttcgc cggcgaggga atcgccagat ccgctcgagc  
179351 gcacagagcc gttctgcagg aagggcgccg tcgcgcagat ccgctcgagc  
179401 ggccgtgcct tctagggcaag cggcgctgtc atcgcttct ggcatattgc  
179451 atccatgato tcccgttgct cggcgccgac cggcggggtc tggttgtgct  
179501 accagcgagc ggctgtttt gcgacgagc ccgcgcgagc gctgcgcgac  
179551 gagtcggtgt cgtatgcgag ctgcggaggga agcttgacct tgcgttcgca  
179601 catgcttttg gctggggcgc catcgctgac gatattctg agttgataga  
179651 tgggcacgag gagatagcgc tcgcggcgcc aattctcgtt cgtccagctg  
179701 tctgtctccc aaagacccct actgcgcgac ggtgcaggt tggatattga  
179751 gcgcaggtcg gcgtaacctg cgggcgcctc ggttgccagt tgggttagag  
179801 tcgacagctg gcgacagcca ggccacagca ggggacgag ccggttgtag  
179851 ccgttctctg ccgctggctg ctgtcgccgc aactgtgtct gcatctgaa  
179901 aatcggtctg accttcacgc tcgagggaaa gagtcggctg tcgcagcttg  
179951 tgagattgat gaagcgccgc acccccacgc cttgcgcgc atctgcgac  
180001 atcggttgca tgatcgagc atgttatgg acccaataga accagagtag  
180051 gtcccgagata tctgggaag cagactggcg ggtatgagc acgtagttct  
180101 ccggcgccctc aaggtcgagc gagaagacct ggttgccgat ccggttgat  
180151 gcattccaac ggccgcaccc cttctcgata cttttttggt ccaactcttt  
180201 gtgcagatgt acttcgatcc tgccacccgc aagcaactt tgagctgttc  
180251 tcttcacgct cgcctggctc atcgccctgc cttccctctg gagactgac  
180301 gtgcgagagc ggtcgaaag ctgtcgccgc taagggcgca agacacagc  
180351 caatcctgaa gcccttcgga attttccaa atcgagtagt ccggcgctg  
180401 catcgacatc cagcgagcta ccttctgaag tgaagcacc ggttgacct  
180451 gccgcacagg tgagcccgac ggtggtgagc gggttgccgc tgcgcgatt  
180501 gacccacggt tggcggttt ttggaatgac agatcgcc ccattggcga  
180551 agccgacggg aagcgcggt gatccgcgc taatgaagc gaagcggtcg  
180601 agataatgc tggacaggaa gggcgccgc gctgtcagc gaaaggtggg  
180651 ctgctccaac gccgcgagcc atctgtaggc catcgagag gtaacgctg  
180701 cctggtcgcc atggtgcac caacccggtt gtagttga ccaattctgc  
180751 tggagccagc tgacctgttc caacttcgga tagtcaggaa gatcgacct  
180801 aaactccgag acccatatc gtcagctcgc agagagacc acgggtgaac  
180851 cgagcaggtt agccaaaat cggactctgc gttcatgag tcttaacc  
180901 caaagcttga aagccgccct tccgtcgcc cgtggtctc taattattct  
180951 gggcgcgccg cactgcgcgc cgcgcgcgc gcgcgcgcgc atagacatt  
181001 gcgcgtgctg gacccagcga tggtaatac tctggaactg tcgcgaagag  
181051 aatgcgaatg cactccgggc tccggtttg attcatctc agcctgtcca  
181101 cggcgccctg gtctgatagc acctcgtaa ggcgaattc gaacattgct  
181151 acccagggga accagattc gttccacgce tgggaagggt cgaacagctc  
181201 gtgattgcgc accggcgccg gggcggtgtc acgcagctgc gctcgagga  
181251 ttagcgcac gtaactctgc ctgacgggtt gaatgaact cttgcgcagg  
181301 tagtccgag cctgactcgc gtaagctcgc gctccatg atggatggcc  
181351 gttagccttg aattccgggc cggcgagacc tgaagccagt tttgtgat  
181401 cgttgatcag ccggaagcgc actgacgccc gtaactcgc gaactcgtg  
181451 aattcgaaac agacccagggt gtagtaacc gaactcgtg acgagccgcg  
181501 gatcgcatac gctcgcgta gttgatcat gagcatcat ccgactcga  
181551 ccagctttat tctgtctgag tccggcgtgt ggaagaaagt cgaagactga  
181601 cggatgctgc gcacgaagag ctgcggcgcc gcatcatca gaactcgtg  
181651 gaactcgtgc ccatcgttgc tggcacctg ctcgaaatat tttatcgagg  
181701 cggcaacccc atcgctgcgc cgttcgtgc cgcacgcgc cggagggaa  
181751 tggcgacgga tgatcgggaa gatacggcc ggcaggaaca tgcggtttc  
181801 agggaaacgc cctgcgctgc tgcagcgcgc ctcgctttt gccacgctga  
181851 cgtaggtgtg cctgcgctga cctgctgaa gtttcgggc gttcgtgca  
181901 gcttgccgag cagggccttg aagctgatc ttaacgcgc gttcgtgca  
181951 tccggtgaaa ggcgcattgt tctgtctgc ggttcgtgc cgttcgtgca  
182001 gggcggaagc acctggttgc tctgtctgc gagcgccg ctgctgagat  
182051 agacccgcgc ggggacctg ttgatctgc caagcgccg gtttcaagc  
182101 aagcgctgac accggttgaa gtagaggtt tccccgaag cgtctgagc  
182151 ccgcagggtg aaggtctgcg gtagtatgt gatccggcg accgctcga

00939964-002701



186001 tggcgggaaca atccctcact tgcacggata tttggaact ctgcgcaaat  
186051 gcccttgatc gcccttgatc ttgcctgggg cggcgatcaa tccactctgg  
186101 cacactgggc atcgcgctcg gtctcgacag cttgatctg ctgcttcaac  
186151 aattcgaaac gatcgagctc acgactgagc ttgccttga gatggggcag  
186201 caattggcgg ccatcccccgc tccgtagttc atccaaagct toacgctcag  
186251 cgcgacgggt aggtcctaaa cctcgagcgc caacgctgaa gacgagctct  
186301 ttgatccggg tgcgctgtct ttctgctctc togatccagc ctttgctctc  
186351 tgcgcgagtc cgcggcgagc cttcagatct aacgcggcgg actcggaaca  
186401 tgcgaacaa cgtcaaatgc gtgcgtcttc cgcggcggtt gccgcggcgg  
186451 aagctctctc aggcgcgctc cagcagatgg cctcgatctc agctctcagg  
186501 caccgcatcg aggcgcgctc agaaacccat gaggcccgctt ctttggatga  
186551 ctcgagcgcg cgttggatct agaaacccat gaggcccgctt ctttggatga  
186601 caatcagggg atagagcgtt cctctcgctg cctctgctt ctgcgcgaag  
186651 aggttcaagc atgcgaccaa agcaggcgag tccagccggg gtaacggatg  
186701 acgcgacatc ttctcgctgc caggcgatag cggcgctcat agccagatag  
186751 acttcgacag ttccaatgaa acgaaacgtc cgtcaagatc aacccggata  
186801 cggcgagcgtt ggcgaagctg ttctgctctc atggcaagtc ccttcagatc  
186851 gggttggtag aaacgcgact aaactccgct cggggaagag gccactcttt  
186901 atcatgggat ctttcgagtg aggcggcggtt gaggcgaggg tcttgctggc  
186951 gctttggatc atgtctgggc acgtcggtgt cactcgagaa ggctcgggac  
187001 cctgaaacac aagatgtgct aaggtccgga atctgacgaa cgcgatgaa  
187051 cgttctctgc cgtttctgct aggtccgga atctgacgaa cgcgatgaa  
187101 gacacatcg gtatagcgcg gactcagga ttgagcgggc ggcacatct  
187151 ggatgagact cttatgtcgc ggtcggcatg aaggtatcat ttgatgtgct  
187201 gctggcaagg gtctcatgct gtcttgatgt tgcctcggcg acatcagctc  
187251 aagcactttt ggttctcgcg aagcgggcgg gtctcggcg ctggcggtttg  
187301 gcttccatgg cgggaagctg cactagatgt tgcagcttca tttcgaagat  
187351 cgttgcggtg tgaacaagtc ggtccacggc ggcacagctc atggcggggt  
187401 cgggaagagc ggggttccat ttcccgaaag gctgatggc ggttatcat  
187451 atgggtggc gcttatctct ttgcggagtg agttcgaaac gacgctgggt  
187501 ttgcgctggc cctcttgatg cgttcggatg actcgagatg atggcggtt  
187551 cgaacttgct gaggcttggc ttgcggatgt cgaactggat ttcacggcgt  
187601 ggcacctgaa gtttctggac gaggctggct gtgcgctga acgacacggc  
187651 ccaacacattc togatccagc cggagcgcat ggcggcggtg agatggctct  
187701 ttccgcccgc cggcgggacg aacaggagga tattggcaac ttatggcgagc  
187751 caactgtcgc cggcgggcaat ggccatgacc ttggccttgg agtccatggc  
187801 cagcgcgctg aaagcgaaag tctcgagcgt ctttcggggc ggcagatgct  
187851 cctcgcgagc gtgacgttgc atctcgcat ggcgcgctc agccagttca  
187901 ttgttcggcg ttgcggaaag gaacagagcc gacggcccaac cttcacgctc  
187951 ttgttcggcg ttgttcggcg gacacagcgt ttgatctgc ttgcagctca  
188001 cgttcggcg ttgatctgc aggttcggct cgtcgatgtt gttcgatgct  
188051 ttttctatgc ggcctctccc gcatagcagc acccatcgat ggttctatgc  
188101 ctattgagcg atgcgagctg cacatgcacg ttgcggcaac gttcgggctc  
188151 cggacggaaag atggtctctc aggcacatcg gtgcggcgag ttgcgggctc  
188201 cggagcgttct ggcaagctcc tccggcaggt caagctgca acagcgagct  
188251 tgagccaggc ccagcaattc gcgggtgctc ttgcagctct cgcggcgagc  
188301 cagttgctcg atgagagcgt cgaagacccc ggcatactcc cgttttgcgc  
188351 agagcttctc ggcagtagac aggttgagaa ggcggcgagc ctttttgcgc  
188401 agagagtgga ttgacgtggt atagttgag accttgctat gotttgcgct  
188451 cgcgttggtg cgaactctgc gcaagctcag cagatgctgc cgcggcgatc  
188501 agcgtcgag cagatctgca aacacagcgc cgcggcgagc atggcgctc  
188551 aaacgggagc ggcgggtgga gaagctctg cgcgaagctc agcggcggt  
188601 ggcgcgacag gtgacgacta cctctcgaa gtgcgggtgt cgcggcggtc  
188651 gaagcacctg cagatggggg cgtcggtcat caatggctt gccatggcgc  
188701 gcattggcgc ggcgtgagat ctgcgtgatg aaggcgcggt aggagcgagc  
188751 atcgtogaag ttcttggtgc cgcgcatcag gagtgcctg cggactggt  
188801 tottgagatg gccgtgggag ctttgatgag agcgttctc gtggggcgagc  
188851 ccttgtgtgt tgcggtcgg cgtcatcg tagtgagcgc acagctcttc  
188901 atagcgggtt gtcagatgca ccttggtcat ggcactgag ttgcgggaag  
188951 cagcgacagc gctgtcgctg cgttgataga ggcggcgaaac gtcgacggac  
189001 cagcgagctt tctcgaagcc ctcccgaaag cgcgcgagc ttctcgagc  
189051 aaggtatgca ttggcgtgct caaaacggca ccaaacggc cggaggtgat  
189101 agagcagatg ttcgagcgtt tggcgcgga tctcagctt agaggtgccc  
189151 atgtcggtaa aatccagacg cctatgctg cggggtcgt ggtctggcg  
189201 gaagataccc tctgtgctt cagcgtgaac cgcggcccat cagcggtgac  
189251 gcgctcaag ttgctgggga atgccttggc gcaattccgg atgacggcgc  
189301 agcatctcgt cgtaaacggc gacgcagcga atgcgggag cggcctttag  
189351 ggcgggaagc aactcggcat caaagatag ctaagcggtc cgttggtgac  
189401 ggcgcggcgc gggcggttgc ttctgagcga gaaggcgctg ctttctctc  
189451 atgpgaaagc cgttcggcgc gctgatgac gcttcggggt cggcgacatc  
189501 aaacagatgc gtttgcgtgt actcaatgac taactctcat ttgatgatg  
189551 ttacatggc agccatgagc aaggtgctc taactctcat aaacggcga  
189601 cgttgcgggc cgcagcgga tcatgagcgt cctaaaatc ggcgcggcgc  
189651 ggcaggtgaa ctcgggtcgc gtaacgctc ccttctgta acccccac  
189701 gcgagctctc atcctgagtg agctgagtc tcaactgtt ttgcgctgag  
189751 caacatggc gagtgaacta acttgcaat gactcgtgc

09939964-082701

189801 tgggatattct cgttctctt cgagcaaac ggatgatga agggcgaact  
189851 gatgaagctg aggaagctg cgaagatgac ggctgtgtga gggggcaaaa  
189901 aacatacgc tatgaacga ggggggggac ggggtggag catctggtaa  
189951 ttcacacagc ctctagctga actcttggg cgttgagga tccgtgaaaa  
190001 cgtcagcgtt taagacagga ttgggttcgg tctgttcag atgcattggg  
190051 aggaagcgaa cagctctctc gaaggtcttc cgaatcgga cagtccattt  
190101 cggctgagtg ggttttttga cacgtcttac gctggttaac acgagcgctt  
190151 cgtctgtagt gcaacgtgag cgtcacgaac gccccacttt ttatcggtgt  
190201 gatttaggac tgaagattcg cttcttgatt tggaaaggtt gttttgaatg  
190251 gacgagcgga acgatatgac caggtctgaa gccatgtttt aagcagcgga  
190301 cgaagggcgg tatcgctgt ttgaggtgat cacgggggca gtcgcgcgac  
190351 ggaactggac ggaacggagg aaggtctgga tctctgggga aagcgtctg  
190401 cggagtgaga acatctctgc catctggcgg cgttttgccg tccatggcgt  
190451 ccttttgaga acgtggcggt cgggggga ccaactggg cgggttttgg  
190501 gagaagccgc gctggagaaa cccgctttcg ttccgatcac gatcgtgcac  
190551 gatcagaatg agcatcaagc ttgatgaaga ggtatgcgc aaggcgccgc  
190601 cggctggatc gagatcgagc ttggcgggtg ggggatgat gtagcaggga  
190651 atgtctctcc cgaattggcg catgctgttg tgatggcgct ggggggtga  
190701 cggctgatcg gccatcgagg gggctgagga tcatggtggc gaccacagcg  
190751 gtgcgatttc gggctggcat gaacgggttc gtgcactggg tgggtcggc  
190801 cctttttggc gacccctatt cggcgatatt ttctgtcttc cgggccaact  
190851 gttgcgagcg gctggcgtgc attttatggy aggggttcagg catgacccct  
190901 tgcggagagt ggtctgaaag cgggaagttc atctctccgc cgttcagaaa  
190951 tgggtctctt caatgtcac ccgaagagt cagctctggtt gtttcgggac  
191001 tggactggac acggtcaag cgcgaagcgg tgaagcgacc aagcaaatgt  
191051 gcttgatctc attgtatttc ctgcagattt cagcgccgtg tggtagcttt  
191101 cggcatgtct cttegcacag aacagctccc gcaagatgtc gtagaactga  
191151 gcaagatggt cctgatctg aggggggagg tgcctaacct gaaggggctg  
191201 atccacggcg caagatcaga ggtgctttcg acgatgatc agcgcagac  
191251 cagctctgat ctggcgatc ttctgactgt tccggtgcgc gccaacgag  
191301 accagcctga cggttcccg cagagtgtgc gtagggcgga atcccgagc  
191351 cgaacatcag cttctctctc gaagcactg cccgggtgag acgttatatt  
191401 cagcgggaa agcggcgat cgcgtctgtg ctccggcgct ctccacgga  
191451 ttggagagac gacaaagga ggcgtctgata tggttccggc gttctctgac  
191501 gtcacacgaa cctattgcgc tgcctatgac tgcggggcat gtagaatgt  
191551 tgtcatgcag ggcgcgcgac cggcgcgctt catggatggc ggcattgcyga  
191601 cgaagcgatt ggcgcgcact atcgtgtctt ccaagttgac atggcactg  
191651 ccaactaccc ggcaagccca gatcttcga ggcattgaaa taacctcga  
191701 tccgggaacg ctggcatct ggggcacgag tgtagctggy tggctgaag  
191751 cctctacga caggctgtg cctctcatc gctgcagac aggggtctt  
191801 tccgatgaga cccgatcac ggggtctgac cggggcgaaa aggaagacga  
191851 agtctggcag ctgtggcgcc agagctgaga gacgcgcgc tgaagaagac  
191901 cggccgcgc cactgttgt tacatctct cccgaagcgc cagcgccgt  
191951 gaggcggaac gccaaactgg atccttcac gggctctctt aggttgatgt  
192001 gtatacgcgc tacaagacgc ttgcagcaga tccggcgaa gcaactcca  
192051 gtcccttgag gctggcgctc tgcctggccc agcccgcgcg taactctgt  
192101 gatgtgtgca agttgacgg atcccgggag ggcgtggaga tegtatcgt  
192151 cctgcggcag gtctaccaga tgaacgggga gatcaggggg caaagcgcg  
192201 aggatgtgca gaatgcgcgc cagctccgt cccgtccgt catgcgcgc  
192251 ttgaagggcg cctctgtgca cctgaagaca gacatccaa cgcagtcgcg  
192301 cctgcgcaca gccatcaaat acagctgtgc gcatgggcy ggcctgaag  
192351 ctctcgtgga cgtggaaat atagaggttg agcgaagc cgttgagcgt  
192401 tccgtgaagt cctgtccct gacggagaa aattcagagt tccatgaaa  
192451 tgtccagggc ggtggaact tccgggttct ggcctgtgtt atcaactggt  
192501 ccaaatggag cgggtgtgat ccgtacgctt gggctgcgga tgtttctgaa  
192551 cggatgttat cgggcagcac gacgatcac cagctcgaga cgtctgtgc  
192601 ttggaattg aaagcgcgtc aggtcggtca agccgatga cccggcagc  
192651 cgtttctcat gacgaactcg atgatacct tctgtggcat ggaacaaac  
192701 actatgtggy agtgaagccc atogatgggc tgatgggggc cgtctgggc  
192751 ggcgcgggga cgaactcttc ggaatctgtg ttgcgcgag tattcgggg  
192801 atcaatggcg caagcaggg cgggtctgga cgttgaggg cgttcgaag  
192851 cgtgtgcaat agctcgact gaagtgaaa gctgtgtgc agcgccccc  
192901 gggcactact atcgatctt catgaaccac aaagggcaga ccatgctgg  
192951 tcttggggcg atcgggttct ccttgggact cagttctggg ggcagggctt  
193001 gggcgcgctt tctgtggcaat gccaaagcca gtgatctcc ccatcatgga  
193051 cgtcaatccg cagctggcca aactgtcat cgggtttct cctcagga  
193101 gggggaatt gagagcaac gctcatcat acatcaatc cgcagtcgt  
193151 cagtggcag ccatcacaag acagggcgga taacaaagca gccacggga  
193201 caaacgcac cttaacggaa ggcgggtgt tctgtggctt tacaatgac  
193251 cagatctgta gagaacgaa cgcagcgtct agggggaccc ttcatggag  
193301 gcttcgtgga tctcaactt ggtatacgg cgttgaggg atgttgaggg  
193351 tgcgtgtgaa caactgtgt agttatctc gctgtccat tatacagag  
193401 tacaagcaca tggcgggagg cgcgcgatcg ccaactctc gttgtggt  
193451 aggaactgac gggtaaaact cagcaacgca ggcgcgaag cgaagcgtg  
193501 ctggggagta gattgaaata tccaactct ctaactgct cgttaagcgc  
193551 tctggaggag gggctgttag ctcaatggt agagcggctg gctcaaac

193601 gatttggttc aggttgaggt cctgcggggc ccccaaaatt ttttggttcg  
193651 cctcatacgc cggcactcga acatctcggt cgcgcgcgga tagacgcgcg  
193701 ggggtgcgtc gaagacagca tatctcggt caacgaaccc tcccgagagt  
193751 agccacggag ccgcaggtct gcgcctggt aagtcacaag ggcacataaa  
193801 atgcattcct gatcggaac atgtcttcgc cgttggtggt aagtcgtgtg  
193851 tgatgcgcgc ggcataacca cgcatacctc aaaggttcgt catattggtc  
193901 gtgatgggca tgcagtgat cgcacccgca gccttcgcac gtcattgctc  
193951 cccgttcgcg tgcattcact gcgccttgc cagcgagagt agcatatcac  
194001 ttccttgat tgcgcggggt cccatctcgt tgggggggat cgcgttttcg  
194051 cattgtgcgt ctcgcgcgtg ttgctcttgc ctcgcgcgtc acgaacccct  
194101 ctatcacagt ttgcgttcgc gcgcgcagca ggcagctggt tgcgtgacgt  
194151 caacggcaaa ctgctaccca tccgagtcgc cccatcaagt tgcgcgtcgc  
194201 ctccttcgcg aatggtgaat gcacaattc atggttgac ccttctgggc  
194251 ggcttcgcag aaacgcgcgc actgacctcc attacgcgcc agagagggaa  
194301 agaacatta gtgttttcgc agcttcgaaa ttcattggca aagccttttg  
194351 caagggcctg ccgaacaaaa tgcctagcta acggaagcta cccatttgcc  
194401 gaacccgtcc aaagcagga agtcggcgaa gacggttctt agcacagttg  
194451 gcgttcgagc ccttcgcgtc gacgcagcaat gcatggcgcc agcacagga  
194501 cccgcgcgc cagcatcctc taagagcatt gccatccccc ggcagcggtc  
194551 aaagcgttgc ttattgcgc caagcagctc tgaagatggy ggttcgacgt  
194601 atgcgcagca ggcagatttc aaacgcgtcc tgcgcagac tccgtctgga  
194651 ccgaattcgc gtgcagcat cgcgcagca gaaaaaggcc gagcgtctgc  
194701 tagtgggcgc gacattgcta cgcacacacc ctgcgcgcgc gtcgcgggca  
194751 acggcgacgt cgccttcgc ttgagtaggc gatattgtgc tcagcgggtc  
194801 aacgctgttg cgttatttgc gccataggcc cgcagatgaa tcttcgtcgc  
194851 tacagatgca gcgcgcgtcc gactcttggc ctttcgggtc atgtaagtga  
194901 gatccaaagg gcgcagagat atccagcgc gctggtgtgc ttgggtctat  
194951 gggaaaaacc gcaatatgtt tgacacgctc cgcgcgcgac atgctccggt  
195001 cccgcgtcga ctgaaggcgc atgcgcgcgc cagatagcct gctgatgaa  
195051 cccatgata tcttgcgca caacgggggc gacgcgtcgc aaaggcgcgc  
195101 ggaacggcga ggttgccaaa cccagcaggt cgttggaac ggcgcgtgta  
195151 cccatgcgtt agccatcga acccagagat cgttggaac ggcgcgtgta  
195201 gtctgcaata gcgcttccac ctgctctgtt gtttcgggta tcccgagttc  
195251 ctcggcaatc agctgatgt cgtccttgta tttccagac ggcagctaca  
195301 tgcaacaaag gcatgcctgc cgtctatgca aacatgcgc cgcagatgcg  
195351 aggtcgtggt cctgcgtcca cgcattgcgc atccatcggy gcagagccac  
195401 ttgcagcgcg agacgggtgc cgcctgtgtc aagcgcacca cccatcgat  
195451 cgaanaatcca gttcccccgc cgcgcgacat gttctgcga cccagcgga  
195501 tgcgttcgca cctccaaagc gctcagatga agggcggtggt ttgcagaagac  
195551 cgccttcgca cgttcagctt cgtctggccc ggcacatgct gcagctgca  
195601 ggttcgagag ttcacacctc agcccaagc gcgcagatgc tccagccgag  
195651 aggcgggatt gctcgcgcag agcccaagc gcgcagatgc tccagccgag  
195701 gagcccaacg aggtcggttt cgcacaggtc gcaggaagc tccagccgag  
195751 gagcatgcgc aggtttgttc ttgtgtgag tgcataagca gaggtcagat  
195801 tccgggtcca actcgcgcgc gtttaactgc gcggcgagga tgggtgcgaa  
195851 gacgttgycg gcgcgcgaagc aactggcggc gccagctcca taggggcgaa  
195901 aactgcagcc agagcccccac ggttcgctac gcgcagatt tgcgcgcgaa  
195951 cgcctgcgac cgcgaaaaaa ggttgtgcac cgcagagat gcgcgcgtgc  
196001 gcttcgaact aggcgaacca tgggggactt gcggcgagca cgaatgcgca  
196051 tttttgagc gctgcacttt gccatagctt cccagcgctc ggcgtgaaag  
196101 ctcgcgcgac gtcgcgaagg ctacagctgc agaacggat agactcgcg  
196151 aagcacaact accgcgaagt ctacagctgc ctggccttcg gcgcagag  
196201 cgcctgcgac gtcgaaggcc aggcgcagca cctgcttttc aagcgcgtc  
196251 ttgaagtcgc cccagatgaaa atcgttcagc acctgagat cgcgcgtcgc  
196301 ggcgcggtgc atgaatttag caaggccat cgtcaactgc ttatcgtgat  
196351 cattgcgtc aggcgcgcgc acgggaacct attccaatc gctttagcgt  
196401 caagtgggta ggcgcgcaaa tgacgaact agaacggct cgcagcgaaa  
196451 ttgcgcacta cccgcgcagc acacccaatc gtcgtagca cgcgtatgag  
196501 gtcattgcgc gtcgagtgat aggcgcgcgc agacatgcta tgcgtctgcg  
196551 cgcagagcgt cagggcagct tctgagagcc agacatgcta cgcgttcgag  
196601 tcttcgcgc cgcgcgcaag acagagcgc cccagcgcgc tgcgttcgag  
196651 ctcgcgcgcg atcaactgct cgcctatgac aaatgtggt tctctgga  
196701 cgcgcacca gctgcgact ccttcagtc cgtcgtgccc aacgcgcgc  
196751 agatgcgctt gtaactgga cagcgagctt cggggggagg cgaactgctt  
196801 gacatcctct aacgcgctca tcttcggaat gcttgaggt gtaactgcag  
196851 tctcccaaac gcgacctgaa ggtgaattgc cagttgctcc gcagggcggy  
196901 tccgctattt gatgatctg tccagagatg aggcacaaa gcttcgcca  
196951 gaacccgat gaagtgcga tgggtcactc gactgctgc gattatggt  
197001 gttattccgc actccagcca tgcataggaa tgggtgctc tgcagactgc  
197051 tgggttgagc gaactcgggt aagtaacgc cgttcgtgct gataagattt  
197101 gaatacctc cgcgcgcgcg tccgggcagt tccgcgcgcg ttaacatatt  
197151 aggcagagc cgttcgcgcg caatgcggt agctgaac gcttcgcgcg  
197201 agacacagca cagtgtctg agatcgtatc tgggtgaagc gatcgcgtg  
197251 gcgcgcgcga taacgcgcgc ctttacctt gggttcgcaa atgagaaa  
197301 agcgtcgggc agctcctct cgcacgaaa gcagcctgc atcctatagc  
197351 cactgcata tgcgcggaac cggctgatct cgcactcaaa cttcgtcga

09939964-082701

197401 gagacottog ggtccacagt ttggagttca ggcacottog acacccogct  
197451 tcaagctgag gaacaggpytt cccaggtttgg cgaatccgaa atccacoggt  
197501 tttctgtgtg cgtcgcagag cgtgcgggoc tctgtcttga actccacagt  
197551 ctggcgaggt tgggcccagt ttgtcgtgtt ctcaaggpytt ttggtcgcaa  
197601 cgaagctgtag cgggtggttg ggtattggtt cgaactcggt aggtgpygoc  
197651 ttcacacaga cgaatgattc gatottcccg gggccgcttc cgtgattacc  
197701 gcccttaccg gcttctttog acattgtcat actccagttg cttgcacacc  
197751 gggcccaagg cactactgoc gaactgcggg tgcgctgggt ggggtctctt  
197801 gatcgtccac ttgggcgcag gaacccggag cagccgaaag agggccgata  
197851 agttccagaa ttgggtgttag ggttttttta cgggttactt gagggcgag  
197901 taacactctg gaacactctg gatcccaact atactcgatt agagcgatga  
197951 aagtatggcg gaactcttcc atgagatatt gggtatgagt agcgtggagt  
198001 ataatatgct attcttgata tcttcattga agggagagca tcatggcaaa  
198051 tgtgacogtt aggaacctac ccgacagagt gcccagagcg ctacgcgtac  
198101 gagcagcaat gcattggcgc agcacccgag accagatccg cgaactccca  
198151 gaacagactg tccggccccc ggagcgggtc aaactcggtt cttattggc  
198201 gtctattgoc catgaagctg gagggtgac ggatgcggaa ggggagctt  
198251 tcaacacagct ccgtgacaag actcctgctg aaccgatgag cttcgaatga  
198301 tctgtctcga caaccaogtc atatccgaat tgtggaagcg cggcggcgac  
198351 cggctgtgtt ttgcttggat cgaatgcgag atgattgaaa cactgtatt  
198401 gtccgggagt acgtgtggtt aactcggttt cgggttggcg gccatgcggc  
198451 caggcaagcg actccagatc ttccagaaac atactgaaag aggtctctg  
198501 cggccctctg ccaggcgctt tcttcccttc gactctggag cgtcgagag  
198551 ttatggcgac ctgatggcgc aaggccaaac gtccggcaag gtcactggca  
198601 agggcgatgg ctatatcgcc gcaacgggoc ttgocgatgg ctttatggtt  
198651 gctacggcgc atacacgtcc gttccagagc gctggactag acatccata  
198701 cccctgggag ccggcatgat cccggcgatc tcatctctct actggttat  
198751 ttaaacata atgtggcggc caggttgaaac tgtccgcggt tgggcaagat  
198801 taanaatgca ctttggatag gttctcagcc atttagaat accgaactg  
198851 gcatgtccac ttgocgtgag gcaagccccc gacccggcgoc gctggcgcg  
198901 gtccagaggg aagggagggg cggggtgaaag ggcacccctt aggtcttag  
198951 ttctcgggtt cgttcctggt cgttcctggt ggaactggca ggcactgga  
199001 ttgcagggcg caggatctcg cgtatgcttc agactggggt tctcggggt  
199051 acgtgatgt agccgcgctg tccacactgt tctgtggat cgtctagat  
199101 gtttctacg ccagagacca agggaggatc ggtctgacg cgtccggcg  
199151 gatgaacggc aagttctgtc actggcgccg tgttaactc gttccgcgc  
199201 gccacacgct ggcagacttg taacagctca gcaaggttct gaacagagcc  
199251 gatatgcgc cgtttttgtt cgtccgcgac atgctcaagc actcggtat  
199301 tcttggcgcg cgaaggagcg tctgtgata accccaacgc ggcgcagact  
199351 ttctggttag acgcgagggc ttctctgac tgcgtcgca ggtattctt  
199401 tatgattata tccactacgg cagcagcgcg gagggtgtcc gcaactggat  
199451 gctgttggtt caggtctctc tcaacttat caactgaaa gcaagaactg  
199501 cgtcttggtt ggaacactgt ccgaacgag ccgaactgac cgaactgac  
199551 ccggagccag cgaatagac tctgcaaac tggcggaag gttcggtct  
199601 ccgtacgat tcaattgccc gctgtgctg ttgggattg tgcagaaaga  
199651 ggcggagggg ctgacacttt ggcaggggcg aacctaccac aagacacct  
199701 tctgggtgtc ctgtttaaag ctggaatcag acagcgaaat cgaattatc  
199751 ctccattgaa ctgtgcggcg tagggttgcc cttgtccacc cgcaccttg  
199801 tgggaaagcg cctgtcgagc ccgagcaatg accggcgat cgttccaaa  
199851 atccgtccgc ttgcggcgct tgcggcgccg cggttttag ccaattctt  
199901 cgtgttgtt cttccaggtg tcaattggcg tccaaagac atttcggag  
199951 ttggcaactt cggctgggaa agtataacac gaacctcagc atttcggca  
200001 ttgctcact gaacactgag atccagctg ttggagagcg atttcggca  
200051 cgggtacctt ccagcagcga ggaactgta tgggtgtgca ttgcaacca  
200101 ccgggagagc aggcgagctg cgtaggttgg ctactgaac aactgtgtc  
200151 aggcacacac atccactgct gctccaaagt tctgtctcg gagaactat  
200201 atcggttcac attggcgggt ccgcagctat aacggtttgt ggtacgtgt  
200251 cctaaacccc gcaagggaac agccgattag ttggttctcg gccgcagct  
200301 gagcgttctg agatgcagag agatgtaac cgtacccgoc cgcgcgttg  
200351 ccgcacaagt gtatggatc gctgatacc aatttcgat tgggtaggt  
200401 agttgtgac aacatggtt ttcactcgcg tgcgcactc catttcggag  
200451 ctaagcacat actgtggcg cgcagccgga gacccacat attgacac  
200501 cccagccac caactccac tgccttggct tggtaagcg agcccgcg  
200551 ctgactctgt atagagct atagagct gctgagcg agtaccga tccagca  
200601 ccagcgagcc ttccggagca ggaactgag tgggtgtgat ggtctggg  
200651 aggaactcac cgaatagag catgcgatc tgattttgt tccggcgct  
200701 ggcagaaag acattgaag cgtttttgac tactgagagt tcatgagca  
200751 ggcgggattct atcttagct cagctcgcaa gaactcggtt cgcacacac  
200801 acgctccgoc cctttgccc caggaggtga cgtggttttt caagacccg  
200851 atgcttgggt aagattgag ccggaagcgt cgcgcggcg cgtatagtt  
200901 cgggtcattt ctgctgtgac ttttgcctc gatttcaat tgaagcggt  
200951 aggtgaatc ttggcgtga ttttgactct acgattttac ggcgcggag  
201001 aggggaggt ttgagagcc gaattctgtg tactgtgat cgaactctg  
201051 cgcgcggcg gaactttgt cgtcgagcg catggagag tctgagct  
201101 acgctctctg acgctcgctt gttcccaatt gctgactg cgttggatg  
201151 ttgatctgc aatcccgctg gcaaaagtgg ttccactgaa accottaggg

0993964-082701

201201 gaaaatogtc cgggtgcotat cgtctaaacc cagcoggcat acgacaattt  
 201251 ccgggtttgaa gtggcaaaagc aaaaactaca tcgggttggca gtgcoggttt  
 201301 gacgttgcgaa agcattgcga tgcagagccta tcggccggcg cagaagtgc  
 201351 gatgacgcgc gcgcgcacga gcgcgcggat ggcaagacga agggctgty  
 201401 tccgacgggt tcatgaagc cagcgggaac gtgcgtttgc gctctcaact  
 201451 tcatgtgcgt tggtagcga cagctgcgag cgggtgtgcct cgaagggaa  
 201501 gggagagcgc gctttagct ttgcgcgcga caaaggcgc cagcggcga  
 201551 atagctctggc catcgagggc gaggcgatca ccgagatagt gccacaacga  
 201601 caggcccgagc tttttgcagc tctctatcag cccaagcatg gtgtcgcgc  
 201651 cccagcgcgc atcccggtct atcgtgcgcg cggagatctt togtttggt  
 201701 acgaagctgc cagagatcgt ctccagacga ttggtgtgca cgggatatc  
 201751 cggcgcgttc aacaacttga gcagtttgtc cttccggcga gaaagacgag  
 201801 ccagaagctt gtgcaggtct tcatagccgg tgcgcagcga gaagatgcg  
 201851 gogaagcgtt tgcggaatgc gcgcgggaag ccgggggggg gctttcgtt  
 201901 gacgtctctc agcgcgcggt agacaaagca ccatagatct cgcagcgt  
 201951 cgaactgtcg caactgcgc ggctgtgcgc gcatcaattt tgcagcagc  
 202001 cgtctccgat agacccaaca cagagcatgy ttgcgcgctc ggaactggcc  
 202051 ggcatgttca gacagatca ccgtgtgcgc gagaagacgc tgatggcga  
 202101 tggatcccca gatgcgggct tctgcgagca ccgggacgcg ctcgctgtcg  
 202151 aaaaatgcga tgcctttgac agccagatat tcgagaagcg caactcgtc  
 202201 gcaaaagcgt cgtggttcgt ggcctgggat tttggcaca agcgcggat  
 202251 cggcagcagc gcgcctcaga tagtgcagc cggcgttgtt gaggacatg  
 202301 tcttgatagc tgcctctgag cagcgcagcg aagttcagcc gggattttga  
 202351 tgcggtttgt cggaaagcgc taataatgct agcccgcttc tgggttgtat  
 202401 tgcagatgc ctcgcagcgc cgggcagcga tatcgtgcag ggtgatgtag  
 202451 ggggcgcgga caaggccgcg atgcagcaca cgcgcatact ccgcagcaaa  
 202501 gcgcctcagt cctcgggtca aaagtgcac gacctgggac ttgagagcga  
 202551 tgcagcgcac atcgttcaat cagcgcgcgc atcgtcaact gtccttgcg  
 202601 gtgcagcacc aggcagagcc gcctgaggtt tggacccgtg agccagcga  
 202651 ccccttgccg cagcggcgcg agcactgtct tgcgcctcgg cgtgatccaa  
 202701 tattcgcgcg ggtagtgaac gacgtcagct gtgacaatca ggtccgcgc  
 202751 atgcagcctc ttgggcggaa cagcggcgct caggattctc tgcgcgtca  
 202801 ccggcgtttag atcgagcttc gggcgcgcgt gctcctctct gtcgcgcgc  
 202851 gcttcgcgc gttctcact cgtcgtctg tccatggcc accggcga  
 202901 ccggcgcgct gggcgcaggt tcttcagcgc tgcgactctg tgcgcga  
 202951 gctggttctc gaccttcagc cgggtgtttt ccagcgaag ctcgcctatt  
 203001 tcttcacgca gggcgcggtt ctccggtgta aggtgtgta cctcgcgtga  
 203051 aagctccttg acctcatcga ccagaccgct cacaagcag ccgaacgct  
 203101 tcagcgaagc cgtgtgcgca tcttcgggag aggcagctcg cttcttggc  
 203151 atgatcgaaa ggaagcatga ttgcgcccaa gcgcggaaac cccacgcgc  
 203201 ctcagaccct ctacatgcgc cgttatgca cagttctcgc agcgcgtga  
 203251 tgaaaagctc gccaccat ctgcgcggtt taaccgggac cgttccaaa  
 203301 tctccgctgc gcggaatat aatatccgga tcgagagac caactactg  
 203351 tctgtgcaaa cgggtgtgag atagccgcga aatcggaatg aagatgacg  
 203401 ggcgcgaact ggcgcgcag atgtggggc gctagctgcg ggggcgcgc  
 203451 acctgtcaa agctgcgcga agtgatcgag tcatggcaaa accgatcct  
 203501 tcggccgcga ttggccacca agacaccaga ggtcacgcgc cagggcgcgc  
 203551 ccggacttgt cggcgaatg ggcctgagag aagggggagg tttcgtgaa  
 203601 aggtgcgctt tagctgttga taggttccgc tgcgcgggtg aatatgatt  
 203651 agaaagttaa aaggtctctg agcgtttcag atgtcgtatg tatttgcgt  
 203701 atttatagc gatctgggat aaagcgggat agctctctta atgtgcga  
 203751 ggaatcaca atcacttcga agaaactc ggaaacgcgt gtactctta  
 203801 acccgcgaaa agcgcgctat tcgggcctcc aagggctcac agcaactat  
 203851 cctgagtatt cgaatatgaa ctctctatt ggaagcactt agtctacta  
 203901 ttcagtggac cctgcgcgag tacaaagtat atcgttactt ggtatcata  
 203951 tccccgcgga ccccatcgca gctccgggac tatgtcctag ccgcgaatga  
 204001 tagtctagaa aatgcgatga aatggcgagt tgcctcaatc tcgcgcgtg  
 204051 gggcgaagat cgcctctcac aataaaaata cttataccag cattgaacg  
 204101 atccatgatt acctgcctc ctgggaaggg gcaaatgtag agattcgac  
 204151 ggcactgggt agctttctg cagcgtctca agctctact tgcgtgcga  
 204201 gaaagcagct caactgcgat cagcgtcgat ggaggaaggg gtaacttcc  
 204251 gttgcaactc cttcaatct aacataatt cctctatgca aaggaatagc  
 204301 gtcagaagga gatcgggcat catcggagct acttgaggtg ttgaaatgat  
 204351 ttatatcttc aaaaattgac gacgaagagc taattttgct atgtactac  
 204401 ctgacattta acctctctc gaatctcag gtggcatcaa agctttctc  
 204451 tctctctctg tattttctgt tagtcatca gctatgattt ctatgtaatt  
 204501 tattcaactc agatcagagt atcccaaac cagatgttct gctctttggg  
 204551 cgaagatttg tcagattatt gtcabctact ggagatttgg cgcagagcc  
 204601 aaagcagcgc ctcgcgaaaa ggtgcgaac aagtcgttct actattctg  
 204651 tgcgcgca atctgcgcg taactctcgt atgatttgg ctactcggat  
 204701 ggaatttctt cggcgcgcga tcgcgaattt gcatcgcct tagcaaaagt  
 204751 gtttttccat cagcacaact ctcccgcgc gctatctggc agctccactt  
 204801 ttgcgatgaa atcgcgtcag acactgcgc aogtcaagtc ggcattatct  
 204851 aaaggggaga tagccaaagt acactcgag aaagtgcgc acaaatctg  
 204901 tcgcgcgatc cagcgttcca ttgactatc ttttgcgcga gttcgcggt  
 204951 aagtgggaat tccgagtcg gtaacgaaa atcgggaact

0939964.082701



205001 gcttgcatctt ggggattag cgagggaagg acgtcgata cgtcattct  
 205051 tctttgcgaa tatagcaatg ccgatccatt tggataaagt tactttcgt  
 205101 cagactattt ctccgcgagc gtaactgaag acgaggtggc caggattggg  
 205151 catgatccgc ggggttgctat cggcgttttg ctagctggcc ctagctggcc  
 205201 cgatgaaggc caaatctgtg tctatctcgc agttgaacaa catctcaagg  
 205251 taagagagcg agcgaagcgt agtgaatcgc tggctgaagc tgcgtcgac  
 205301 ctgctcttcc ctgttggaag ttgtacctgc agtctctaa cgaactcgct  
 205351 agagtttttg tcaaaaggcc agatggaggc cgaacggatc caggtttcat  
 205401 tcaatttggc tcaagtggat cctgcmaatg aagacgatta catcgaaaga  
 205451 gttcacacaa tcaattgggca gcaaacgatt gaggagcttt tgcacagatt  
 205501 ccatgtagggt aagtgcaagt gcgtagagca agcgctttcc acatggycgt  
 205551 ctatagaatt gactccgaag ttcaacccgtc tgaagatttt tatcgatgoc  
 205601 ggattgcgcg ccgtagagaa ggaacctgac attcaattta togetcaatt  
 205651 gacgtgggga aaatoggaaa catcttaatt taaagtcccc aataatgat  
 205701 cgttcgacga tgcctcgcaag ctatttggcg agttgaattc gaataatgg  
 205751 ttgagccgcg gctacggcgt agactcgtac ttgagcgtgt gpatggcgca  
 205801 tggcggcgctc gaagctcatc ttacagaccc gctcagcgcc gagaatttt  
 205851 tgactgcgaa ggaagcctctc ggaaccggcg acgattgttt ctggacgagg  
 205901 tatttcatcg acaatgggttt tgaagtgcac ggcgagaaaa ttggcccggt  
 205951 gctagcaaca ttttoggaga agtttgacaa taagctggag gctatacaga  
 206001 acgatctttt gcaggttcgt cggccggaca aaccagaggy gctaatagta  
 206051 cgaagtattgt cagaggtctc ggtttgtctg gcttgcccaa gatttgccga  
 206101 ggtacctgac ttgaaagcct tcaattgctga gttcaacctg attttttggg  
 206151 cgaagctggc aggtaatctg gctgcgcgcc gtaactctat agaaacgctg  
 206201 ctctcgaaag agctaaacga gtgtctagac gaactggagg caaacgttgc  
 206251 tcaagcaact gggcagcagc gactggcgcc ttcttcagat gcaactatgc  
 206301 gcgcacgcgc ggaagctggc aacgtgtcca acgacgtatc cagctggcac  
 206351 aatgtggctc gttctactga cgttgaaaca cttggtctgg ttgagattat  
 206401 tagcgtgccc cagaagattg ttgcccgcct gtatccgat gttagccaaa  
 206451 gactaaagtt ttggggagac acgggcataa ccgttaacta ctgcctcat  
 206501 ataactattg aagtgtttaa ggcctttgtc acgaacgtct acgcacattc  
 206551 aagaagtggc aaccgcgcgt tgcacgtcca catggcaatg acggttgaag  
 206601 acgactgaga tgttgaattc gctcagagct gcaatgatat gggcaacgct  
 206651 ctctgagcgt ccttgatgct caatgacaaa attagagctt gggaaacga  
 206701 gaataagctc cggaaagagc gaggttcggg tttagcgaaa ggtgctgctg  
 206751 ctactctgag agcgggaaaa ccaaacaccg tgatttcagt tgaactttcc  
 206801 acgtgcacaa ttcatgtaaa gatggccttc aaaaataac agatattgag  
 206851 ctacaccoga tgaaaacatt aatctcgtaa gataacotta aagaagagag  
 206901 ctctttgtgt gaatactatt cgtccagatt tctctggat gaactggagg  
 206951 tgaactctgc tttaatacga ggaactgggg tgcgcgaga tactaagcgc  
 207001 gacttcatba ttctggacat gaactctccc aattactgc ccagagaaaa  
 207051 caaaggctcg cgtactgagc tgatgccttt cgttgcgcgc gaattttgtg  
 207101 gtagatgaa tggaaatgct abtaagagc aggtgataa cgtttcaatg  
 207151 tttagaactt toggcgtggc cctcgctgtg ataacgtcca acgatttga  
 207201 cgtctgagta agggacagat accccaatgt ctttgttgag cgggtttcat  
 207251 attccaggcg ccaagcagat tggaaaaacg caattaaaaa tgcacgggct  
 207301 agcttgggata gataaatgag aattctgac gtgtgatgac aaaaaccaa  
 207351 ggttgttgaa atctgtggcg tttttagaga cgcacaaatt acagagaggt  
 207401 cgattactgt cgtatcgaca gcagctagtg ccttaaaaga gctcaaggag  
 207451 agctacttgc actgtcaat cattgatag ttactacota accgaattgg  
 207501 tgaagcccca agcctctcgg ggggggttga ttatttgaag cggacaacac  
 207551 gtggagcaga tgcgcagcga cgtgacaaa tcttggtttt aattctaca  
 207601 ctgaagctt tggcggcttc tgaaggagat ttctccgga gatcgtggtt  
 207651 tgtcgaagaa taggggcaat caaagaccac gttggaatc cggctgatgt  
 207701 agaatttga gtatctttaa gcgcgtgagg aatacgaag caaccagtg  
 207751 aagagcgaga ttatctctac tgcacccgaa tgcgaggttc tgtttgttg  
 207801 cgcgtactc gatcccgaa ttacacgctt gcactgagtt tctgtatgtg  
 207851 actgggaagt cgttaacatt cccggtgacc caggaaatca ttgttcaggt  
 207901 agcttgaatt tgggtgcga ttggtgtgct gcgactggcg tctgttgcc  
 207951 gcaaatgggg ctgctgttaa cgggtgtcac ggcgcggagc gcaatcacgc  
 208001 tattcagcgc actctgtgtg gttatgacg gcaactgcgc cgttgcaaa  
 208051 ctgaagctt acctcgagca tatctcgtt gcaatctcga catggactta  
 208101 tggcagcgca aggtttactg aagttccggc tggcgtttgt ttcagacccg  
 208151 cgcgctttca agccgcgct accgcacgag tgggggtgtg gttgcggaaa  
 208201 ctttcaagcg ataacagact attgcagaag ctgtataaag aagtcgggg  
 208251 ctatagacgt gctaaagttc cgaagtttca tgtggcggcg ctgcgctgac  
 208301 gcgcagcggc ccaaaatcat aaggagtttt tctctggcgt agttacgcaa  
 208351 cagcgcaaga tgttgggggt cgaactggaa cggtttgcca tagcctgggc  
 208401 gttcacagag gcttagcgag cttcaaccag ttggttagta ataaactcgg  
 208451 tctgtgattt tgcgttagga caaaagata gcaactatac atgttgtgt  
 208501 tgcatactac gttctcaat ggaactttac cagactcgata gactgataaa  
 208551 tggttgagct ggtctcaatg gccgctagc cgtccgatt cgttggttc  
 208601 ttcgggttca aggcgctcgc cgttcaggag atcgtgcccac cctagggggg  
 208651 tgcoccgctc attcttagtg gctggttttc ctgttgcgc gaggcatctc  
 208701 cgtggggatg atcaatac tgaatacagg gctcaaaagt aggcgatcgt  
 208751 atcgtctagc cgtgcgcaa ccaattctag ctacggcgcc gaggaaagag

0939664.062701

208801 cgttcgcgac aggaacatcg agagcgcagca ttggggggat agtcgcgcgc  
 208851 atcttaaggg aacctataaa gcgggacatc tctaacctgg aaggcaaggt  
 208901 gaagtcgcgc ggaactgaggt ctatgctgtg ttogaagttt tgcgaactgg  
 208951 cggggcttaag aacataacca ttgcccccca ccaggccgcc cgttcgcgga  
 209001 agtcctcgcg ctgaacatca tgaagaagtc ggaattggc cgtcgggcca  
 209051 ggcgtcgatg ctatcgagtt tgatctgttt ttgttcgaga atgcgcgcga  
 209101 gcaatttcgg gtcacggcgg tagttctgac ttgcaaacat ctgcgcggca  
 209151 ttgtgcgcat ttgtctcaat gctctgcgag ggcgcacatc caacgcgcgg  
 209201 aggcagtaaa tccaatgttt gcgcgtcgga agttctgagg ttgcgtgcga  
 209251 tcgcgttgaa ctctccgcacc gcgcagacca atgccttagg atcttcgaga  
 209301 tttatcgctt gctctctcac tgtttgtgtg acaatcttcg gcaatgcaga  
 209351 gcaagttctg ccgcgcgaac gcgtcgagtc gcaactggagc tcgttcgaga  
 209401 ccttagcttc caacgtccag tcgggcacat aggtgcgcac gcaacaaatc  
 209451 atggcctctt atgcgcaccc ccgcacatcg ttgcgcgcga tgcgcagatt  
 209501 gaatttcgga ttgtgtgcgt ggaactgttc ttgagataag cgcctcaaaa gggacccctt  
 209551 agtcgtggat caccgatgac ttgagataag cgcctcaaaa gggacccctt  
 209601 ataatcgacc aaaaagttct gcggatcgac gctccatcaa ctctcgtccc  
 209651 cgtgggcact ggcacattta ggcattaggt gtcacogaag ctgaagtcgc  
 209701 tcgcagcgtc gaacagtgga ccgcgacacg catcgataaa ctgtccgcgc  
 209751 ggtccgcgtc agaaagtgcc gaataattcg gctgcgtggg cctcggcgac  
 209801 gcgcgaagcc agataaactt tggcccccaa caatgcctta gaatttttcg  
 209851 cgaatttttc gatctctgc ggcacaaagc tctccatgag aattaccctc  
 209901 ctgtcagggc gatgtttcac aagttttgga gtaactgttg caggtgcctt  
 209951 ctgttgagta tctggatttt ccgcagttgc agctcatga ttgcactggt  
 210001 ccgtctcttg atctgcgttt ccgccttgcc cagaactgcg ctctgtctgc  
 210051 gttcgtcgcg aggtctcttc tctcgtctct gcaacggcgc gccaatgggt  
 210101 acgggtgtga ttgtttgtct ccaattgggt gactctgcgt gcaacgcac  
 210151 gatctcaaaa ttgttagcgg gatccagttc ggcactggga gttggcgaga  
 210201 agctgttttt agtcgtgaac tgaattctca ccgaagtttt ctgcactggt  
 210251 ggcgtccacc tatcagtgct gccacgaata ttgtttctat ctacggcgca  
 210301 aaacgtatcg attatttttt gaagcccgat gtaactcggt attgggtagg  
 210351 cgtcaatttt tctgcgcttt aaacttccgt tctgggaata ggcgtgcgac  
 210401 cctgggggat ccgtgcattg ctctgagctc ctctgaactg gcaataaacg  
 210451 ccgtgcattt ccgcagtttt ccgcagtttt ccgcagtttt ccgcagtttt  
 210501 atattccact gctccaggtg ttgttcagag tagccccaag actgtttctt  
 210551 ctgtgtgcgc acatatcgaa ctogaagtc tagacaatgc cagctattgc  
 210601 gtacagatcg atctctcttc ttgttgcaat tgaagtcgg ctgcgataga  
 210651 agtcgcgat ttgtttttgg tcttctctca tctggtgac aatttcgga  
 210701 gatacgttgc ttgcactggt ttttaagta ctaagcagtt ccgaagggac  
 210751 ggcactcgcg gcttcgcacc gaattctgtt gacgatgca taagattaca  
 210801 atcgggtgac atcttcgga agtcgctgta tagccagtt ccgcagtttc  
 210851 gcgcgtgcgc ctgtcaacgc gatcgatgc ctcaatcagc ccccccga  
 210901 aagaccgcgt gaattgttca acgttgaga ttgcgggcgc tagcttttgc  
 210951 cgcataatc cctcattagt cccctctaaa ttgtccgaaa tgcggatgga  
 211001 tggcaacttt aaagtttagt gatcaacct tgaattggt tctcgtgcg  
 211051 gtcgcggcgt ctgttgacaa tgagttatgc ccggttgca tctgcgctt  
 211101 tattgtgttc ttgatgggtg tcttaccagt cctgcgggta ttgtgcctt  
 211151 cctgttaagc atgggggtgt gtcagtgagg ggaaggaact gggcgacact  
 211201 ccgcagcgtt ctgcagagct caaaaatgaa caactcgat ccgctgcgtt  
 211251 agtcacgca aagggccgga tcttttcagt ggcagagagg cactagtttc  
 211301 agtcgacact ctgacaagc agcgttcggt tgcattggg tagctgagc  
 211351 gaggctcaga ccgttcgaga gtcagaggtg ttgcctcgc agttgtgac  
 211401 gtcacagga ttaacggata gattgtacct ggttccaaa aacacgggat  
 211451 ccgcgtgcgc ccggttgagg cccagtgccc aggcagaggt tcaaatgaa  
 211501 ggaaccaaac attcccaccc agaatttcgc acagctcgc cgtatgattt  
 211551 tctgtaagcg tccggtgagg cagcttcgcg ctgcaggttc gctttactt  
 211601 tacgcgaacg cctgtgcgga caacttgtag ttgtatgcg tcaaacagc  
 211651 caacacggcg gaatgcocag acaacagaaa ccgctactgg ataacctgc  
 211701 cgaagtgaaa ccgctccgag gtcaggtgc ctacacact cctgggagtc  
 211751 ttgtgagct ccgagaggt atgtgagct atgtcgggt ttatgcggg  
 211801 tctcgtgcgt atcatctctc cgttcggggt tttcccgcg tcaatgaaat  
 211851 catctgcga gtcggtttag ccgtgtctcg tcccgagtc ctctacaag  
 211901 ttatcgagcg gatcattgac gcgcgaagtc gcaatcgcg ggcgctcatt  
 211951 gcaacgcga aagaagaacc ttctgaattc tacacatga cgtcattgt  
 212001 tggcgtgggg gctgccttcg ttaacgcctt ggggtttgc gcttctgc  
 212051 tctgtatttt gaagggcgcc ccatcgcca gcgagtgatc tattgcggg  
 212101 ggcacagatg ctatcgatct tgatgcgca ttgtccacg gagcagttct  
 212151 ccgactcctg ttatcgaggt gtcggcgctg ccggttcgga cctcgcgaag  
 212201 atagcttcgt ggaacgagac gtttgagct atgtgagct atgtgagct  
 212251 ggttcggtg ccgctgcctg cgcgcctctc cgcgcctctc cgcgcctctc  
 212301 tcttctctgt tatgatact tatcataac agaaagctat ggtcttttgc  
 212351 ccgctctgat ccaggtgccc atcgcgcgc ctaactggcg acactgagct  
 212401 caacaacgct gatccgcagg cctggctgcg cgaagtcctc gcccgcgtgc  
 212451 ccgacacgac gatcactag ctggagcaat tgcctccggt gaattggag  
 212501 ccgcgcgaag tctcgcgaga tcaagctgac taactgcgg ccttgccggg  
 212551 atggttaact ctcagcggtc gcaatgcgc caggatggcg ccttcgacg

0933954.082701

212601 gtgcctccaa cgttgcttga ggttgccgac caagcaatgt togcgtgat  
 212651 cgaacaacgc gatctagcag ccgatctccc catcctccgg ttccgcagccg  
 212701 ggttagcgtct gtccgcaagt gcggcgagcg ggcgcgagcc gtcactgat  
 212751 tatggtggcg gcagcaacag agttggtcgg ccttgatcgt caaagatga  
 212801 aacgcggttc gaggtctgtt gctctcgcca gtatcgttgc gattgtgcg  
 212851 gtgcctccaa ggttcgcccgt actgtctgag ggctggcaat ccggttcggg  
 212901 ccggaactcaa tctgcggctt tgaacgcgcg gtatcgcgaa ctctcgtgg  
 212951 aatcggaata acgcgctgag acaggtgact aaggaagtg gtctcgcgaa  
 213001 toggaaagccc toggctattc tctgccttgc tcaagtctgc taacctcaaa  
 213051 ctccggagcgt agtcgcggga gagtggggg ggttgccctg gcaggaacccc  
 213101 atccataacc agtcgggacg tggcactcaa cgtgcctcgg gcagcgtgga  
 213151 ccttcgtgtg aacctccgag ccgtgcacac tggcagcgcg cgcgaaacaa  
 213201 aaacgtcgtt ttgtgcgtcc gtccggccgg acgcgcaaac cgggattgtc  
 213251 ttccactccc acgacggtaa gccacgtcgt ttccgcaggg cttagcgccc  
 213301 tgaacccgaa atagggcccg acggcgctgc cagcgcgcaac atacgcttga  
 213351 agggcaagat aactccggtg aaactcttct ttctcgcgtc cgcacagtg  
 213401 tacagaagac atgggttgat gaagcagcga tgcctctatc gaanaacgg  
 213451 gaagcccgcg gctgagtcca acgtctatgc ttttcgggat ttgcgtttct  
 213501 gccaccccgct ccgtctattg gcgcagtgcg cctctagagg taaccacgtc  
 213551 gcgcagtctga gggaaacagt tcaatgagtt ccgcacccaa ctccgcccgg  
 213601 cggccagctt ttgttttgcg aggaaggaaat agcccgcccg aacggctgag  
 213651 atccatcttc cgttttctgc cttggagaa cgtatccgga cctgaagggt  
 213701 ctccgaactg tgattggcct cctgatcaga tccatccgac aggtatgga  
 213751 ggtgatattc gttgtccgga atgtccggcg ctattgctat cctgatgtgt  
 213801 togtgtcgtt tgcacgcgct tgggtcaat gccacgggga cctctgccc  
 213851 aggaaggcgg gccaccaacc gccatccaac gtgttcgcg ccgactcgaa  
 213901 gcagatgggg gttgttgggg accgggatac tgatttgcgt gacgcggctg  
 213951 ctgtcgtcca acggttcttc caccggtagc ggggtacttt gccatcgatc  
 214001 gtccaccagc gaaccacgcg tcaatccaac tttgcgata gggggcgct  
 214051 tggcagggtc gtccgcagac atctcgacca gatggtcgag tgactggaaat  
 214101 ggcgtgaccc actccagcca atcgttggg gcggttctgc ctaatcgccc  
 214151 agtcgactct cctttatcaa ctgcgcgact ggcgctcgg tgcattcgag  
 214201 gccgcgttgc cgaatagatc acacgtgga ccatccgga ttgatccgga  
 214251 cggcgtcgtt caatcgttcc ttctcgggat cgtctgggg aagcaatgcc  
 214301 agagggccgg aggtccaccc ttgacggaga caagttgaa ggaagcgttc  
 214351 gtaggttagt atcctctcgc gacccggaaa caataacgt taatccata  
 214401 cgaacaatccc ctacgtgcac ttgatgagg cgaagcaact cagcgttctg  
 214451 cagtgttttt cgtattataa tcttctccgg aaaggaagtg ggtcgtgtgt  
 214501 aattcgttcc ataagttcat tctcgtgtct cctcgacgaa ccgacggcg  
 214551 cgggttgcca gaggttttgt atccctgaag agagcgggtg ctccatcgaa  
 214601 ggcgtgcgcg atggggcgga aaacttggc tagcaagttc aattcagga  
 214651 tcaacgaagg gcgttttgac aaagcgttgc gaggcagct cctgctgag  
 214701 tccacccgtg tttttcgtat ttcttgggca tctgcgatgc cctcgggttc  
 214751 gaggacatgc agaactccg atattgggg acgtaatctt gccacgtcga  
 214801 cggaaatagcc gttgcacatc ggtatgctga ccccgcaatg tccctgaagc  
 214851 gctgacaaaa gggcctcgtt aaagtgggca actcctccgt cggcgccgta  
 214901 ggcccaagcg ttccgtgttg tgcccgggac gattgcacag tctgtcgttg  
 214951 tcagcgcgcc tctcccgcac ccgcgcgtaa ggcgcttcgg atccctcaag  
 215001 tggtttatga tctcctcgct caactccatg caagcgtoga tgaatatga  
 215051 gaggttcgac ttggacttcc ggaagcgtgc ctgcacgctc atcgtcaact  
 215101 gaagacggcg atcccaaatg ttgcgttcat ccttcacgaa gtcactcggg  
 215151 accgatatt gtgtctgcgc gtgcgttctt aaactccctg gcatcctggg  
 215201 gaccctccgg ctctggggat tggatttag gcgttcgag agaatcaaa  
 215251 aagcgtctgt gacgttcgag attgacggcg gctggttctt aaccttgcgt  
 215301 ccgaagcgtg tgcgttagga accatttggc gatcgagga tccaggtga  
 215351 gccgagaggg gcaccccggt tagagacgc ttgcgtcggg tctttgcct  
 215401 gaccggtcgg catcgactcg gatccggtca gaaacacgtc agcagcggtg  
 215451 accacgggag atggcgggga cgtgagagac ggcagggttc catatccgg  
 215501 agccgcaagg ctcggtatct cgcgcgaacc gatacaaggg acatcggtg  
 215551 cggcgacggt cggatcggtt ttcactgcgc tggattcgaa aacgatgctc  
 215601 atcgatatgt ctattccgac cgcacatgcg ccggaacacg ccatagccgt  
 215651 tgtctactgt gaactccttg acgctctgtt aaactccctg gcatcctgac  
 215701 gagaaaacgt catgtgtgtc gacagcgttc agactcttc cgcacttcgg  
 215751 atctgcgga atggatctgc cctcggtatc ctctggcatc ccgggaagga  
 215801 gctgcgact atagagcgcc atctcatga acaaacgcac ctgtgacacg  
 215851 atttgtgcca ggtagtgcac tttaagatcc ggagcgaat aggaagaat  
 215901 atcgtagggt atgacccac caaggtatg accagcagtg ataaagcttg  
 215951 cgtcgccttc ctgcggggcg gcacacagct tacgggaacg ctgtagaact  
 216001 gccctaaaca tggggccggg cgcgcgcgcg gtcccgcgat ttttgagga  
 216051 gacgaatacg tgcgcagga atcgcgacgc tttctgatgc gggatttcc  
 216101 gccccagcgc cagcaacccc gctgtggttg cgtcggcagg ttttgagga  
 216151 agcctggcca aggcctctct ggttcaggcg agccatccac tcaaacgga  
 216201 cgtttgcgac tttttctgt ctgcggcgag ctccggaat cctcaacgga  
 216251 gtgcgtcgag aaatctccga ttgacagcg ctccggttct caacgccat  
 216301 gcgggcgag gatattcttc gatgaacgc tgtgacgctc gatacgcgcg  
 216351 tgcgacttcc tcaattctct cgggagaatt ccgctcgcgc cgtcagcgt

09030984.082701

216401 cccaaataag atgacgggca tcggcaaacg attggtcgcg gtcacccctg  
 216451 ccaagaataa cggagctttg gccaaaggac tgttgaacct catgagcaaa  
 216501 gaggtgagtt tcaattttct gcgtctccag cggcaaggtc tcatgagcgc  
 216551 caccctggag cgaacacctg ttccagagga acttgagacc gtctccggcc  
 216601 caataaggaa agctgatgtg caacttggcc gggtgagcgc cgaagggggc  
 216651 ggcagagcac gtctccaaga attttttttt cggcgagcgc tggttgtcaa  
 216701 agccagcacc ttctctgaga ttgttgacc catgagcaaa cactattggc  
 216751 aaacagacct ccccaaccaa ttctgatgcc ttgaattagt tgaagccgag  
 216801 cggcggttcg cccctcaagg gaaatttttg tggttttttg cgtaaagggg  
 216851 cagcttaact gccaacttcg ggaagtcgca agggctgcac gaggtatgg  
 216901 gaattcgagg tgaagacaaa caatgttgga accgttgaga ctcggacagc  
 216951 ccaactgatt gcgcggagga tctcaaatat gtaacggcgc cttgtattgc  
 217001 actctgccca ttctgacacc atcgagagat ccttcaactg ctcgagagat  
 217051 tgaagcaaaa acatgtgcca aaagtggagt gcaacaatga cactcgccg  
 217101 gggatcaaac gatctcgagt gagaattcgt ctgaggtttg tgagcattca  
 217151 tcggggaatt ccagcaacggc tcgggaagac ttcaagttga gcttggggag  
 217201 cgcgcgatcg aaagggggcg tattggcttc gcaatttagg cggagtgctt  
 217251 agatgatccc gtccggtttc tctgtgtgga gccagagtgcc tctgaccat  
 217301 tggctccccc gttcatgaga agcggccagg cgcagatcgg tcggtatcgt  
 217351 catctgcagg aaccgttcgg agcgaggttc cggagtcggc aatacccgata  
 217401 tgaattcgca cgaatgcaga gaaacttgg gaaagtgcga tctgttcgg  
 217451 ggaataagag cttttgaacc gacggcgagt aaacagcgcc aacggctgac  
 217501 aaagcagacc ttatgtgtgc tgccaaaata aacagcgccg aacggctgac  
 217551 gagggagacg ggttgccggc ttgcacaaaa ctgggcattg attccgtcaa  
 217601 atccgggaca gcaatttcac taaagtccgg acagttttat gctgttggtc  
 217651 ctccggagcc tggttagcat cagggtgatg tgatttgccc gttttctgcc  
 217701 ccagtcagaa ggggtgcgct tttttgctt cgaatgctct cgcaccggag  
 217751 ggtgatggcg tgagcattgt ggcagatacg gtccagatga gcgtcggcga  
 217801 ccgtgtgtgc ggcataaagg ttgtgccagc ttgccacggg aacttgagct  
 217851 gtgatcaggg tggacttttg ctgataaacc tccctgagca ttctgaagag  
 217901 tgaattcgca gctgatggcg agagcgtatg ggttccaaag tcatagaga  
 217951 tgaggagctg gacgggggtg agctgttgcg tgaagggggg agagagcgg  
 218001 tcgagcgggg caagcggcgg ctccctgaaac attcggggctc cgcacataa  
 218051 gagcacggag tgaaccgagc tggccgcttg cctgcgaaag gacacaggca  
 218101 gccatgactt cggggtgccg gtgtggccgg tgatgatcac gccctgtgtg  
 218151 cgggtgagcc attgcccttg gggcagcgcc atgggtttgc cgcgttgagc  
 218201 accggggggc cggcggaagt cgaatatctc gatcacggcc tgggcaagag  
 218251 gtgacttggc ggaagcgagc cgtttacgga tgcgttgtc tggcgcgagc  
 218301 gtgacttggc ggtcagcact cagtccagga caactcatgc ggtcagctc  
 218351 atctgttcgg gactgtctgg tcaattcgcc ccaggcgggc tcaattgcgc  
 218401 cctgttcagg gctcagcacc tggctgaggg tggggttggc cagcattctt  
 218451 gcttctttaa ctgttgatga gatctggcac tggatattgt atgcggagc  
 218501 gtggggggcg cgtgtccagc ctggggtctt tcccggttgc atggcgagc  
 218551 gaggttgagg ggcagcggag aataggtgat ggcattaatg gtgagcgccc  
 218601 gtcacaggcg cgcctcgagg cgtcgggcat catagcgccc cgcacagcac  
 218651 aagaatgccc tggccgagc gtatccctgt tccggatgag gctgtcgccg  
 218701 catcatcggt tcgaccagga tggcgcaatt ggggcagcat tgggtgcac  
 218751 ggcgatcagc attggcggc gtgggtgttg catagcgctg atgcgctt  
 218801 ggcataatgt cgttgacggt gacgtggccg gaaagctggg agcggcgaac  
 218851 atggctgggg aacagcttgt ggttcgggaa gatctgacc acccgctggg  
 218901 tggcggccac ctggaggggt catcagatca gcgatggcg caccagagtg  
 218951 aagcttcggt cgaactcgac gatggggcga atgagttgt cagcagctt  
 219001 ccaatccaga tattgcaaac gtatcggggc ttgttcgagc atggcgatc  
 219051 gtctgatctc ctgcaacagc tcggcgccgg ttttcgagc atggcgatc  
 219101 gtccggttgt tcaagttctc gagaattcgg gcaatcgcc tgttgagggc  
 219151 ggcagcggag aagaaggtac ggttccgtag ccggggccaga atccaggtt  
 219201 ccagatcaaa taacggcgct tcgaccgggc ctttctgccc cggtttccgt  
 219251 ctgggggtgc gaggatagt ggtgtgttaa tgctccgcca tggcggggaa  
 219301 cgtgcagctc aatgtcgggt cgaaccaaag ggccttggcc acccccgatt  
 219351 tggagttgtc gcaacagatt gcttgggtga ccccaacata gaaggtcaga  
 219401 tggcggacct gacgtcgat ccaactgggc aactgtgtgc taagctggg  
 219451 atggcgagag gctcagttgc agcggcgccc caccggcgcc aagatttgg  
 219501 ccggtatggt gacacaggt gcagagatgc tcaacggcac cgttcggcgc  
 219551 gcatatcggt tctgatcac gggcccgccc cgtgtccgat tggcgagcgc  
 219601 tacaactggg cgttcggcga agggcgcaac ctgtctcgac aacagagtg  
 219651 agcgttaaac atcaggtgg cggcgccggt attcctgcca tagaaggtg  
 219701 agcgttaaac ctttgcgctt cagctcccca accacagcg ccagctgagc  
 219751 ctctctgaga tggcgggggc gtgcacgggc tggcggaac agcggcgct  
 219801 ccagctttgc atcctgtccc ggcgcgattg gcaacggcca cgaagagct  
 219851 gcttccggag atcgagcaaa ataggtcgat accagatctt tgcgatctt  
 219901 cagcggctgc gcaatctgc gaccggaaag accctcttca tgggttaggc  
 219951 gcaaaaggt cggagatctc ctcaactgtg tctgtctgtg ttgcttcgg  
 220001 atggcgagag gggagagcta acgtgttggt agagagcta aacagagc  
 220051 cggcgagccc ggcgaacaa ccgtcaaac cgtcgggaa acgtcgggg  
 220101 atttagcga atcgtctgct ggggaattct gaaaactgtg tccagagatt  
 220151 accggaatc cgtcgggac tttgcggaaa ccgcagcgcc gcaagtgatc

09939964-082701

```

220201 catcaaggaa gggatgagcg ttgaggccac tatctataat goctataaag
220251 gggcgccgtct ggtgcacgct attgaggggg ggggocctac caaggacacat
220301 gtccatcgct tcggccgtga caatgccagc cgttggcgga aggtccacac
220351 atgctacttc ctgatctgtc aacaagctcc ggaaccaaac gcgcttcagc
220401 cggccgcggg gaattgtgat agaaaggacc acactactgt cgaaaacotc
220451 agccccacgc gccctcgatg agcgaacgat gtctgtgagc ttgcgctcgc
220501 gaagacgtcg ctcaaccaga tcccatatct caatacaat gagatagggt
220551 tgtccatctt ggaatccggt catttcaaca agggcgctctt cgggaaagc
220601 atcccatag cgttcacgtg gactatcggt tctgtgtgagc ttgatgtgagc
220651 ctatgaactt gtctaggcg gcgctctctt gggccgcggg cggcgccgtc
220701 tggtaggcac ccagcccgctt cctgaactct gccatctcgt cgttggtatg
220751 gaacaaactt agcgttcgtt gggcgctcgt ggtatggacc gtaagtccga
220801 gtctgctcca gtctgctccc tgcagtgccc ccgtcatctg gacgcggagc
220851 atcagcgcgt gatttaagaa tccggcttgg cgtctccggc gttctcgtg
220901 tcgggcagcg ttagctcgtt cctcgagctt tgcactgtgc cggggacacat
220951 ctctgtcagg cggcgagcta cctccgcgtt gcttgcgtcg ctcaagctct
221001 tctggaagtc tgaacgagct gagatggtct taacttggca cggcgccctc
221051 agatcattgg tgaacagagc gcttgtctcg caagccgcgc ccctcgtcc
221101 tgaagtgacg ggttgaactc ccgctcctgg gactgtctat acgttcaatt tcggcgaggg
221151 gctatctgct tgaatcgctt gactacagct ccggttcgga cggcgccgac
221201 aatagccctc gactgcagcc gaatttcggg ccggttcgga cggcgccgac
221251 acattcttga acttgcagct gaggaaacga ccgatcatcg cggcttcggg
221301 cctgtcaaac caaaggaact catcgaaacg ggcgcagata gcgcgtcga
221351 gagagcggtc gaggttctgt gctgcgatac gaagccctt cggctcgtg
221401 ttgtcgataa agagcagcag gctgttaaag acgcgacgaa gctgtgtgtg
221451 ctgcgccact tctgtctcgg tctcgcgagc ggcatacaac tctcgaaaaa
221501 acaggaagca cggctgcttc cctgcgagag cgaatgtctt gctgataatt
221551 tgcgcgctct caccagagta ggaagaactt agggatcaaa gcttcaacg
221601 gaacactggg gctcccagtt cggcggtgaa aatttcggg caaagcgctt
221651 tggcgcagcc agcgggtggt gactatcttc ttttcggg gaacttgaga
221701 ccgtgtgcgt gactatcttc tggccgagc aattcttcta ccaggccaaag
221751 tagcaacctc acgttggggc gcttcagcac gacttctgtt cgtattgttg
221801 cgggttcaat acgtctgagc aaactctggg cagcttctggg gaatgggatg
221851 agggggggga gagcttttgg ccgcagactgt gtccgctgag gaccagcttc
221901 aagcgttttc cgcaatgtcc gtgccaaagc cgggttgttt tttttctct
221951 cctcgtcgat gatctgtctg gcaacggggc gaaatctct atcgccggc
222001 tagctagaca gaattttttt catcaactcg ccggttgcca tctgtctgac
222051 gtctattccc ttatgtcga atacaagctc gactattccc gactcagga
222101 atgctacac atgatttga caataacttc ggtacagat tagttttctc
222151 gccagagcca cttctgggtt ttttgtaac cctccgtgtg tctcaacagat
222201 acgccccgag ggggcgcgct cgttcccggt gctccttgg cccactatat
222251 tgcgcgtctt cggcgtgctt ttttccagc ctttgtgta ggcgaattcc
222301 cgtctgtcgt tggcagtgaa acgtgagaat cggctgttatt cggcgaggtt
222351 tggcatttga agatgagaat ccgacggacc ggaattctaa atcgatgga
222401 actggaaga cgtcatcgat cggcatgtat ggttcataat cctgtcgata
222451 gcttctgcta atcgccctt gtcccaacc gatggccact cggcgacgat
222501 ttggagcacc ggggttcggg ccggttcgac gatggccact cggcgacgat
222551 gagctgtctg tagatgcagc ggttaggatg ggccttcgga gtgctctgct
222601 cgtggagagg gaaggcgatt ggcagagctt ttggagcat gaggacaaac
222651 tctttcagc gactgtggt caactgtggt tacaagggt cgcgttgata
222701 gtaactcag gtccaacaa gaaaggggag ccgtcatcac ttggcgaca
222751 tcaactactc atggcaatcc catagcgagt caaacacgtc aaacggtcac
222801 gtcaaatgag accgagagca gtacaacat tctctctgg gaaacaggtc
222851 catgagcagc gaaaaaaac gctatgcgac gaaacaggtc ggcgcgctc
222901 tctggtctga atcccaaat caggcaggga togaatatg ctgaggttga
222951 gctgttccaa tgtctaaact ggggtcatgg cttgagatt gactgttcca
223001 cggcgagatg gaaaaaggag gcaaggagaa aagacagacc ggttcaacca
223051 gtggcttggc cgaatttcgg cggcgacgat gtaagggttg ggtcgggata
223101 gggcgcttcc aggcctcgcg gatcaactgg atcggttgg atgacttgg
223151 aaaccccgag gaggaggtct gactgtcgaa cgtatcgaaa ctaggttgg
223201 ttgtgtcact cgaactgtgt tagcatcat tagagatgt cggagagat
223251 ataaagatc tagaggagag gaggcgagag cgttgaagc tcttcttga
223301 ccaggacatc ttgtgagaga tcaagttttt ggaacgaact ggtatgtgt
223351 gtgcgtagc tctatctgag atgggaactcg ataaatcca acgcatgtc
223401 ggcacatcg acaacggggt ccttctgcaa atgacggagc gcttgaagag
223451 tttattggcg gaggcaaaat gcctctatga ccgataatg gggcgcaatg
223501 ctgcggttca cagacttaag ggaacttaaga ttggaagcgt ccttcggggc
223551 ggaagagatc ctgctccccc gaacotcga cggcttgggt cgtgtatgtt
223601 caccttttgg ggcagagaga tgcataatg tatcagctat taactatg
223651 gtttccggg ggtgtgcccg tctttttgaa tctcagctat tttagcgtt
223701 gggcatcagt agctgtgact gttgttgtaa cggcgaaaca cgtgtctgt
223751 accggcgag ggtgtcaac aatttaactc aggtccccc cttgaagaa
223801 agacagggaa aaacggatgg atcagtcggg tagcgggtat cttgaagaa
223851 gtttttga cttgagcga ccaagtcggt tcatcgatga tcaaatgaa
223901 ccaaggaagg tttagtccca tgaacgctg gtttaacgtt cgttgaagag

```

003904-002701

224001 atgaaacgcg gagcaagctg gaccagctcg ctgagaagct ggtatggcc  
224001 agctctctata tggctgcaga ggcacatcgaa gcttttgttg acaacacagg  
224101 atggcgcgct ggcgcagctg aagccgggtg gactgttgcc gacccgggtg  
224151 agttgcgcag cgcgttcagc gtcgcgaagc tgcgtcagaa gtaagtcaag  
224201 tctgcgcgcg atcatgagc ggcgaagcga tctgttggag gctgcggggc  
224251 ttgcggcgac ttgatgagat cggcgcgtat atcgagaagc acgatccagg  
224301 tgcggcgctg cgcgtctggg cggcgattgg cactgcgttg gatgcgttg  
224351 cggagtcacc tgcacatggg cggcctggtc gtatacagc acgcgcgcgc  
224401 ctgcgtgcgt cgcacattcc ctacatcatt cccatacga taagtccaga  
224451 cgtcgcagat ctcacgcgtca tgcacgtcca ccagaatggc cgcaggttcc  
224501 tctagtcacg accaacaata cgcgttcggca cagatgagca tgaatccgct  
224551 catcagcgtc cgcgttcagc tagagcaatg tctctggcgc gcagcgcgc  
224601 ttgctgctct ttctgtgagc gctgcagcgc tgcatacgg gcttcgtgct  
224651 aagcgtgtgt gtcgcgcgca gataaacaat gctcttgatc ggtcatgct  
224701 tctcccgctt tgcagctaac agccacccgc atcttgcgc atccctgtac  
224751 tggcgcctgg aaaaaggcaca ggtccgggoc gaactcccca cggggcctgc  
224801 atcacggcca atccgacggg gcacgcgtcc cccaggtgtc cgaagcagc  
224851 ggccgatggg cgttcccgac tagactaatc ggctcgttc ggaaggtga  
224901 cgcacattcg ggccctgcgc catggctcag agaagttccg ctacgcttca  
224951 cgtggccaca cactgcgagc atcccaagaa cgcgatgaga aggttgggt  
225001 cggcgttatc ggtgtggttg cgcagctccg gctggggcag gggcgttgc  
225051 catcgtatcc cgtgcgata tgcgttcgaa cgcgatgaa gacgcacga  
225101 cctgtctctc cgtgcgcaa atccggggoc catgcacgac taaggccatg  
225151 acggggcaca gcagctcctg ttgcgcggcg cccgcacact cgcagagcac  
225201 ggcaagttca acggcagcgt gcagctgcat ctcacgcggc cgaagaagt  
225251 cggcgcgggt gccgcgaaga taatctagta cggcgtgttc gagcgtttc  
225301 cgttagatgc agtctccggc ctcgacaact ggctcgttc cctcagga  
225351 cagttcgttt tgcgtcaggg gcgggcgatg gctgcagcgg accagcgcct  
225401 gatccgcatc gtccgacggg gcggggcaag tgcggcaact catgaggcg  
225451 tgcagtcggg gctgtgcgct ccttaataac cgtcatgggt gcagccgaag  
225501 ggccgcactc ggaatacggc gttcgccttc acctctaac gctcgttcg  
225551 gaagatcaga caaggcagata ctcccgggoc gcgggcagcg tggcgggtgc  
225601 cgttgcgtca tccagcagca tgcgcagatg gtcgtccttg cgtcggctca  
225651 tggcgtgtgt tctcatgctc gctccatccg tgcgatcggc cagcgtcctt  
225701 gctcggatgc ggcacggagg agccgcgcga cgcgcgcgcg tgcgcggt  
225751 tcaggggggc gcatgctggc ctccccccgc agcgtcgtg cgttagcggc  
225801 tggtcagagt ctggttaatg tgcgcgcgga tggcgcgcat ggctcgcgt  
225851 aagggccccc adggcgcggg aaacgtttct tccgcataaa cccggtgcag  
225901 catcgcgcat tggggaagca gttcgccttt ggaagactcc accagagc  
225951 tagcgtcgtc gctgtccagg agcgagtcga cgggtttgtc ggctcgcgt  
226001 gcgcacctgt cctgttcggc tccatgcaga tgcgtctgca cgcgcctat  
226051 cgcgcagatg agcgcgagga cctgggcgaa cgcgcggcgc gcgcgcgaag  
226101 tgcgcctgtc cagccccacc agcaacgaca ggcaacagaa caagtctgc  
226151 taggcgatgc aatgatgccc gttgtgcagg tactcgggt aggaacagc  
226201 ttcgcgcgcg cctgcgcgct gcgcgtgtcc gcgcgcgagc gcgcgcgat  
226251 agcacccggt atcgtcaga agctgcagat agtcgcagc atcgtagagc  
226301 agggcgcgca ggcagagcgc cagcacagcg cagccctcga atccgggggc  
226351 cgcgcacgag agcgcctgcc cagcgcgttc ctccacgctc gcagctgtc  
226401 cgcgcgcgag cagtcacagc tcttgcgat cgtgcagcgc gaacagcgc  
226451 gcagctcgc tagagatgc cagcatcagc gtttctct cgttcgtcgc  
226501 accggtgcgg gcgtcgtgtg cgcgcagcgt cgggttgatg cgtcgcagga  
226551 tgtactggcc gccctcagc gcttcgcggc catgctcgtc ggcaacccg  
226601 gtccgggaac gcccccactc cagcacctgc tgcagccgc gttcgttcg  
226651 gatcatggcg cgcgtcctgc tccctcggcc ggagcgcgc gcccccacg  
226701 aagcgcgcgc cacaacccgc cgaattcggc cagcgcgcag acccggatg  
226751 ggaatacagc ttctctgcgc atccacagcg gcatctgcgg caatcaggg  
226801 gcgcctatgc ggggcagatc cagctccagc gcaacgcgag cactcgtgc  
226851 gatccgctc cagtcacagc gctctgcgat cgcgtccttc accgtgcagc  
226901 cgaacagcgc ataggcgtt tctcgaatg tggaaagcgc acccggccgc  
226951 cagcgcgcgt cgtcgcgtg cgcctgcagc agcgcgcga gcgcgcgtc  
227001 gtcgcgcgac tggggcttgc cttgcgcgag cgcagcgcgc gcatcgcgg  
227051 tgggatacag ccacgaaagc tgcattttt cattgtcca tagacgtga  
227101 ggttgcgat tggcctcagc gtaggcgtg tgcgcagcgc caggtcttc  
227151 caatagtcgc aagcatcga gggcatggat gttgttcag acccaggtg  
227201 tgcgtctgoc ggggaaggtg agaaacagct cgcgatttc gaacggcgc  
227251 aacgcagctc cgcgcgggtc gcgcgcgtc agcgcagca agcaagcgc  
227301 aagcgcgtgt tgcgtcagc cagcgcgga gtcgaagcgc ggccacagc  
227351 cgcgcagcgc cagcgcggcg tgcagctgc cgcagatcc acccgcgcgc  
227401 tctcgcagcg cgggatgcgc gaacagccgc gccaatgta gctgtacgc  
227451 cgaacagcat ggtctgaaca cattgatcgc ccaagcgttg ggaacgacac  
227501 ctcgatgccc gctgcgcgtc gccgcgcgat ccgcctgcag atcgcgtgc  
227551 gcgcgcgcgc cctgcggcgt gctccctcgt gtcacggcgt gcgcagcga  
227601 cgcagcagct gcgcgcgac tgcagcagc gctgcgcgt tctcctgggc  
227651 atcggcggt tggcagcgc ccccagcgt cccagcgtg cgcagacgc  
227701 tgcgcgcgc gcacgcgtgc cagcgcgcgc agcttgaca acagcgcgc  
227751 cgcgaacgcg aacagcgcgc ggtggcgcgc aaacgcgcag cgcgccacac

09399964.082701

[illegible]

231601 ccgaagtgcc gctccgcgct ctgcagcacc gctgcacgt cctgcgcate  
 231651 ccgagtgacc atggccatgg ccagcgacatt gcccgcttgg ccgcgcatct  
 231701 ccgcgctgca ccgcctggcc ccgcagccat ccaggttgcc caccacccat  
 231751 ctgcgcgcct ccgcgctgcat ccgcagccat ctcaactgtt ccatctgttg  
 231801 ccgcgctgca gtcacccagg ccactctggc ttcaaacctg tcaactgttg  
 231851 cctcctggaa tgccttgctt ttccgcgcga tgcgcgttgg cctccgcgtg  
 231901 agaacgcgca ggttgccgct tggcgcgctc gtcctggcca gctgcgtt  
 231951 ccgatgcacc aatggcgccg accggcgact ggtcgccgca ggcgcgcag  
 232001 ccgcgctgca ggccttgccg tacctgcgca ccgcacact ccgcgcgcg  
 232051 gctccgcttg ccgctggcga agtgcccgcc cagctgcgca accgactgca  
 232101 cagtggttcc gcaagatct tggtaactga ccgcgcgca ctacgctt  
 232151 gtcacctctt catcgcgctt tccggttggc cctcgctgca agtcgcgcg  
 232201 ccgctcctt caaatggcgc ttgttaaccg gggggagctt ccgaggttcc  
 232251 cctcgcttcc aaaaatggc ggttaaccgc gggagagctt ccgaggttcc  
 232301 ggcagccgca ccgcgcgcgc ccggaagctc gggagagctt ccgaggttcc  
 232351 ccggttgctt gctcgccgac ttgcagctg gggagagctt ccgaggttcc  
 232401 ccgcgagctt tggcgccact gcaaccgggc cagttgcgca ccgagagca  
 232451 agtgagtgcc gtcgccgaag ctaagcatga tcttccgct gctgcgact  
 232501 ccagagctgg tgcgctgaa ccgagcgcca tgcagcgct ccgagctgca  
 232551 gaagcgctcc ggttgccgat tgcgcgcgca gctgcgca ggcaccttcc  
 232601 cgttcttggc gatccacac ccgctcagtt ccgatgtgct ctgggcaata  
 232651 ccgcgaatgg agctgaacat cgggggggct tgcgagcag ggcaccttcc  
 232701 ccgcgaatgg tccacccccc agtcgcttcc ctgcagcag tgcgcttgg  
 232751 ccgctacgca ccgacacgca agtcgcttcc agtcgcttcc tccacgctg  
 232801 gtcgccaagc ccgcagcagc agtcgcttcc agtcgcttcc tccacgctg  
 232851 atccgatagc gtcgctgctt cgtcgttggc tgcgagcag ggcaccttcc  
 232901 caatgtctg ggggggctt atgcacttgc gctgtatcag gtcgagcag  
 232951 taggccttca tctgctgctt ggcgcgctt ggcgcgcca gtcgagcag  
 233001 gctgctgctt ggttcgagc cttccgaact ggcgcgcca gtcgagcag  
 233051 ggcgcgaact gctgcttctt ggcagcga acagttcgcc gaagaccgca  
 233101 atgggcaagg ccagcgccgaa ttgcgctg aggtccacg cctcccgcca  
 233151 ctccagcgcc ggcgcgctt cgtccagcgc cgttcgca agagcgccga  
 233201 tctcgtggcc caggttgctt atctgcgca tgggtgaact ggcgagcag  
 233251 agcgccgca caggttgctt cgtcgttggc cgtccgcca aaatagcag  
 233301 ccgcagcaga ttgcgagca ccgcgaagc cgtccgcca aaatagcag  
 233351 ccaggttggc ccgcgcgctt ccgcgaagc cgtccgcca aaatagcag  
 233401 ggcagcaga tctcgtgctt ggcgctaac ggcagcga ggcagcga  
 233451 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233501 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233551 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233601 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233651 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233701 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233751 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233801 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233851 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233901 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 233951 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240001 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240051 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240101 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240151 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240201 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240251 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240301 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240351 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240401 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240451 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240501 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240551 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240601 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240651 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240701 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240751 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240801 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240851 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240901 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 240951 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250001 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250051 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250101 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250151 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250201 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250251 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250301 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga  
 250351 ggcagcaga ggcagcga ggcagcga ggcagcga ggcagcga

09339664-082701





239201 tccgttcgaag gtggttcgga gggcgaagtt cggcgaatat gogattgggt  
 239251 tcccttcga tctctccgg atagctccac cgtctccggt ccttcgggt  
 239301 ggggataaac cgtgtttccg cggccattcc ataaagctcc tgaagaagtt  
 239351 gtccgtgttaa cggcggtatg tggcggaat cccagatcgc ctcgggaagc  
 239401 gcttcccgcc cccgggaatc gaacatcaat tgcctgaact cccacagctc  
 239451 attctgatcc ggggatattg cccctgttgc cagcacaatg gtcccgggat  
 239501 agcacagcgg atcttcgacg cgaattgtaac ggaaccaacc tcagcccttc  
 239551 ttcaaggcct tgacgatctc gctacggtag gctcaacct tggagccgct  
 239601 cgggttcagc tctctcgaaa ggccttttga cggcgcttc atcttcaagc  
 239651 ctctgcctgc gggcgaatttc ggggccttct tgcgcgcgat gggctcgttc  
 239701 ccgaacttgc ctgtcacggc cggcggggct gttttcgat ccttttcaat  
 239751 gactcaactt accatcagc cgggaacggt gactactct tcatggcgtc  
 239801 cccaggaaaca ggtcctgcga actgccttgg ccgttatcc cctctctccc  
 239851 tgtttcttcc gacgcagaac accgcatgog tgaaggaaag ggaattgcgc  
 239901 gagaataccg tctgtcacgc ggggtcact cgtatttoga tcgaaggctt  
 239951 gttctcaccc ccattgggatt ttgctctgga gcttcggac ggtcacggct  
 240001 tgttcccgcc ctgttcaatg cccgtacccc cgttggccgg attgggccca  
 240051 aactgggctg atccctgcgc cgtctcaatg accttcgccc gcaacggctc  
 240101 tcccgagaac gccattgcgc cggcccccgt tgcgatcttc gggcacggcc  
 240151 cgcagagctg gcgcgatcac cgaagagaaa accaccaat ggcataccac  
 240201 accacagaa gtccacacgc aaacttccat gctctcgcc agacgacaa  
 240251 gggccgttga accagagatg gtccgttcgg agcacggtga tagccggga  
 240301 ctcaaacctg ttaatactac ccccccactg tgcgaagcc tatgtctcgg  
 240351 cgcaggatca aaacgcagga gcccgatgta tgcacacggc cgtttccac  
 240401 gggctggcgg agtccaaagg attcgcaat atcaacgcca ggggtctac  
 240451 ttccacgatt ttgaggatta tcaacaaaaa ctgcctacgc cgtttatgc  
 240501 ttctcgtcag ccaatcgagg agctcggagt gcaatactc gacgycagtt  
 240551 ttcccccgtt gtctcgagcc gtcccggtct ctcaagccag cctgatcgct  
 240601 tggtttgacc tgccttgaag cctcgggtgg gacgaagacc gccacctgat  
 240651 cggccggcac ctgcccgggt tgggcaatgc ggttcgcagc cttgcgcacc  
 240701 gctcgcagta ttaacagctg ttctggtaga cctcgttga ctagccgacc  
 240751 gaaatcgctg agaaatgcta cggcgtttcg atgcttoga attctgttg  
 240801 atcgagaccc tgtgcccggt tgcgagtgac ctgcgccacc tggccaaacc  
 240851 cgtagaggcca ttgtcgcgtt tcaacgacatt cgggtttgca attctctgct  
 240901 cccaccagcg caaccagctg gtatgtttga cgtctgggt attgatgacc  
 240951 agccgtcggg cttgctctct tgcctcccaa ctcccggtt ctatgagaca  
 241001 gacgatggtt gatgcgtgga caaagtccaa gccacctcaa agtcccgat  
 241051 gctagcgctg aaactgcct cctgcgcctc tccagacgoc gttccatggg  
 241101 cgggtgagac gatagcggtt atccggccgc cccagcgccc ctccagacc  
 241151 atccgttcgt accgttcgc atcccgggc gctagagctc gttcctcact  
 241201 ctccagtgga agggcgtcga gctgcacggc aaacagacat ccaagtctgc  
 241251 gttcggagct tgcagtttg caagtctaac cgcaccaggg cgtcctcgct  
 241301 gctcactcgg aagcggagaa ataccgatgg cgcacggtac gaagcaaaag  
 241351 ctgatgaagg caagcgacat cccagcgctc gtgaatgaag tcatcgagcc  
 241401 cggatgtgac atctgcgcgc ttggccacga aaatacgtt attgagata  
 241451 ccgacatgct accggggccc tatggaaaaa tgagacagag gctgggtagg  
 241501 atcgagaagc cgtacgggga tctgtatttc ctcaactgc aaactgcgc  
 241551 tcaactgcgc tcaattggga gatattgcga cgtcgggcca gacggatctc  
 241601 aatagagcc gcccccgcgc ctccggagca tctccggga atgcggggt  
 241651 agacgtttag tcaattggtc caactgcgc agactctgc aagcgcgcg  
 241701 ccgtgaagcc gccgctcgg tttcttgata ggggtctgt tgcctctgc  
 241751 cgtacaaatt cgcgcgaagg ttaccgggca atctcgggc cactgggggc  
 241801 cgcgcggcag atgatagtg atgtgacgag cggccttgc tgcactcat  
 241851 ctgggttgcg gaatatcgc tgcgagattt aaggatgac attgctgtg  
 241901 aagcgggcag ggggcgcgca aacagataac cctgcgcctc atcgagact  
 241951 tgggccttta tctgttcgag ctgtctcctg cgtcgcagc cctccactgt  
 242001 ggtgatcata ccgagtgagc ggcgatggcg ggcacacgccc ctcagcaatg  
 242051 cccgggattc ctgtcctctt cctcgtgact ggcctgtgag cgtcgtgct  
 242101 tggatttat cgaagaaaaa ggtcttgaga taactcagag atgtgagct  
 242151 ggttccaaaa tctcgtatgg cgaatctaac accgagctgc cgtatctct  
 242201 tcaagctctg aagattactg tgcatttct cgcgaacac cgaactgcgc  
 242251 atctcgagct ggaagggcga ggcctccagc cccgtgtctt ccaactctt  
 242301 gggagacgct gaggcgagcc tctggttct gaattgcagc ggtgaagct  
 242351 tgacccgccc actgacatag gggggccact tgcagggctc ggtcaagcc  
 242401 tgacgaagga tccactgcgc aagcgggcca atcagcgccg tttctcggc  
 242451 aacccgaatg aactctgagc gagaacaact cctctctccc ggtctgggac  
 242501 accgggcagc cgcctcctct cctcgtgact ggcctgtgag aaggtgtgc  
 242551 agcgtctgac agcgcacttc cagctgcgcc ttgctgagc cgtgcggag  
 242601 tgaaactctc atccgtctgc ttgcgggaag atcagcgctc attttgggt  
 242651 cgtactgaac gattgtgcca ccgcgcggcg ttttggccgc ttcaagcgct  
 242701 atatcgccgg ttttgataag ctgctctaac gactggtcac tcttgagagc  
 242751 cggcggaagt ccgacaacta cctgaagatc gaactgctc cctgcagatt  
 242801 cataggttgc ttgatcaca tcatgagct gctgcgcaca taacagagcc  
 242851 tcaagattgc tgtttgatgc aacgcgggaag accgaactt cctgcact  
 242901 gaggcgagcc aggatgtcgg attcgttgag aaattctct agcgcctcag  
 242951 tcaatggcg cagcagcagg tccggttgag ctcgcctata agctcactg

243901 atcgccctga agccatcgag atcaaggcag agaattgcc gccctgtgct  
243951 cggcgcaata tggctgcaga ggcgcctgaa ctccctgcgc aggaactgtc  
243101 ggttcggaca gctctgtcac gccctgtcac gccatgtgac ggaatttgc  
243151 tctctgcaga gctctgtcac gccctgtcac gccatgtgac ggaatttgc  
243201 gagcgcaatg gctctgtcac gccctgtcac gccatgtgac ggaatttgc  
243251 gctgtctcat gtccatgcac cagcgccgag ctccctgcgc agccttgcac  
243301 cgattatcca tccggactgg ctcccggaag tcgaaggcct ggttaaatca  
243351 tctttgcaga gctgtccggt catcgggatg gacggcatc aaccagcctt  
243401 tcccccgcgc ctgctcgccg ctctgtccgg ttgtctcgag ccagagcgga  
243451 ctgtggtagt cgttcggccc gtttttcgcg gtccaccaga tcatcaccga  
243501 cggctgtcgc gcgattgcgc ggaaacgggc ttgcctctcc ttccgggctt  
243551 cgacatctct gggcgcatca tgatgtctct gacgtgtgac gtaccatgca  
243601 aggtatcttc cgttctgcgc ttctgtctgc gggcgacgac tcgagatcca  
243651 actctagcgt cctcccgccg ccgcacggcg aaactccaca tgcgagggct  
243701 ctccgttgtc aagcgttttc gccacttttc gcctgaacct gcgcagggct  
243751 tcaggttgca tgcctctcgc ccatctgctc ccgagagctt cctttggggt  
243801 atagcctgtt ttctcccgag ggggacggat tcccgagac tgcgcggtg  
243851 gatccgtgtt ccatggcact tgcggatgca gttccgtcag cgatcgatg  
243901 tgctcgagcg tcgctcgag cgcgcgtctc cgcgttcggc actcgtgtgac  
243951 atccagggcg atcgccacaa taaccttttc gcttgagctc cctctgtctc  
244001 ggtatggcag actcttcgca gttacaagg gccctacttc tccgcggctg  
244051 accggaatcg gctcctgcac ggagacctcc tcccggtgag aaagcagcgc  
244101 aatgtccatg tcccgatag gatggctc ctcccggtg agaattgtgt  
244151 aatcgtgtg gccgacagc tgcatctgta ctctgcggac aagcatgcat  
244201 gggcgcaact tggggagag aaaggggaaa tgcctgtctc tgacgatgat  
244251 gctgtgagct atgctggcg ggttgtctc aaacttcggg tggaagtcg  
244301 actggttttc gattgaagc gcttgcatcg tagggctcgc gtttgagag  
244351 gtaagttaat gatgtcgtc cggcgcgag cggcgcttaa caatgttca  
244401 gatcgaaat ggcgcatac cgcgcgtctc aaacccctag agtagacagc  
244451 gttacaata ataggccct tgcggctcga agctgggatt ttgccaaggt  
244501 tgaataacgt tgggggaaa ctgcgcgggt gattgacgtg tgatttgct  
244551 ggggaacgca ttctgtcgc atttatggag tggagtggtg agtttgagc  
244601 ttctgcata agatttgct agccgttgga gcttgagttt ttccgata  
244651 gaatttgtaa cggcgcaact gctatcggtc gccttgggtg tggcgcgca  
244701 gctgaagctt tcatcagctc acggcctttt cgtcacggat cgcagcgcaa  
244751 tccctgtgct ggtgtctcag agctgtgag agcgtgtgag atttgagac  
244801 gatcacccga gatacagc tttttgtgtc cgtcacggag agcgtgtgag  
244851 atagcggag cgtctcctcag gccgggtttt atactgcgc cgcgtgtctc  
244901 tgtcgtgaa tatcctcgag ctcccgccgc ctttgagagc gcgtgtgtgc  
244951 atatcgaggt tctgtcagca atgaatatg aaagcttct cgcggcgttc  
245001 gctaacgtcg ccgcctatct tcaacctctg gtcgcggttc tgccttatg  
245051 tgcctttctt tgggagcggc gtcagagagc cttgcgcgtg gtagatgat  
245101 tgcgcgaaca gaattatc gactgcact gccagcatc gttcctgcac  
245151 ttggtgcgca ctctgggaa gttcgaagcc gatcatggt atgcgtgtc  
245201 ccgcgcagag gttatcagtc gcaagctcgc cgtatgattt gggggagagc  
245251 ctgtgggagt cgtctgtgaa taagcgtcga acgcttgga aaagaaata  
245301 cccagcggc ctggcgccgc acggttcaa aaggaanaac gttctgtgac  
245351 gtcacatcga ccatctgtt tcaacccaag ggttaacgccc gaagcgagc  
245401 catcttgca tttctacgat catggcgaaa cagcggaac gtttgagctt  
245451 taactcagtg acgtgaatcc cggaggggag gaacaccaga gcagactgt  
245501 cctcagagtg tgcctcagaag ctatagtatg gtggcgattt aacgttgggc  
245551 ggggtgacca aaactactta gagcccaaat atgcctctc caccgatcc  
245601 tggattcttc gtcggcctc cggcccaat cgtatgcga agcgtctga  
245651 agcgtgagc gaacttttag ctgcgcctc cccgatggt tttgagcaa  
245701 accgcgacct cggcttactc ctgtacaact atcgatgat tgcgcgtgc  
245751 atcgagggc tgcagcttat cctccctctg gttgtctcag gccaaagcgc  
245801 agaaagagc gaattatcag gccctctcga atagttctc ggcacacagc  
245851 gttttatcgc cctgaagcgc gaattgacca ggaacccaga tggtttcgc  
245901 cgcgagggca gaacgcgag gcagggcgtt atttcgaag ctttttgca  
245951 ttacgggagt cgggaacgct tccctcgaaa aaccagaaga accaaacggg  
26001 atgcacatc cagctcact cagggaggcg ccagcagcg gatctgag  
26051 cgagatcgac gcaacggcgt ccgactctga ccagagagc ttaacactct  
26101 gggcaagac gagcccatg tatgtctgac gctatagag aagattgag  
26151 tcatctcgt gaagggactg attgacgat ttaacgaat gctcgcaag  
26201 gacttgccg aatcgagatg gcaagcgttc ctttaagata atcccttcat  
26251 tctcagcatg gcttttctc cgcgcgggat catgatcag gataatgctt  
26301 actcgcggcg gactctctc aaactgtgca aaactgtgca gctcagctt  
26351 ctgtctgag agcatctc agcatctc agcatctc agcatctc  
26401 accgagggg tacagggcat ctgcgcctga tgaatacga ggggcccaca  
26451 atcgacttc gaccgaag cgcctatcga gggactgat tctcggccc  
26501 atcgccggg ttgaacggat ccatatacga ggttctggac tagcagctc  
26551 ggttctatca gaatctgccc atcttcaagg acgaactga aggaatgac  
26601 atcatgtc ttttgagttt aatctgaaga ctcagatga gggatatac  
26651 cgaattgacc cggcacataa atcgagaata ggaatataa ttggaatcc  
26701 caggggattt tggtaactaa tctcgaaccc gcgcgatta ctcaaatgtc  
26751 gattttggt gaagtcgctc tccgcttctc attcgttga atcgagctc

246801 agcgccacgt tgcgtccga atgagcgatc gcaatttatt atctgtcatg  
 246851 gtgaattgtc gcaactcagt gcaaacaggt ctctggatc  
 246901 gcaactgaat caagcagacg caaagatgga cgcactggaa gcggagtgaa  
 246951 tctctatgagt catcgtgcaa tctctgtttt agtatggctt cggatcttgg  
 247001 tggccctoga cgtttcgata gatcgctgtt atccggggga gtctctgttg  
 247051 acagcgaagc ctttgaggcg ttcggctaat gattcgggtt tgggtctcgg  
 247101 cctgtctgtg ctcaagtctg tctcgttgat gccaggttgg tggcctgcaa  
 247151 tctcgtcaat tacactgctg gagtgcagat gctttgaaaa tggcgtctgg  
 247201 aggaacctct ccccatgaaa aaggcttatt tgcgcatatt ccagcatcgg  
 247251 tggggggcat gtatgcactg gagtgcacac ctctgtgggc tatctgtcaa  
 247301 tgggtgtgta gattgtcatg ccaggcatcg aacgtcggtt atctctgata  
 247351 tgggcctagt cgaatgtgta ctgcgaactc cagcagtgca gcgcagagct  
 247401 tctgcgcgcg aacctcaata aaagcccaat tgcgttggt tcccaactgc  
 247451 cgaaacgaat ccccccgcga ttgaaatac gaggcgacaa aggtgtaaaa  
 247501 gttggtctcc tccatcacga taatggtggg tgcgtctccc gcgcgtgtcc  
 247551 gaacatcagc ggcgcagctg tgcgtctcgc cgtccgcaca ccgcacgaca  
 247601 gcaagccagc caccgtcoga tgcaggggtca ttcagcgggt cgaaaaatct  
 247651 agcagggcag tccatgtgtc taaggtcaag gtcggggtag cgcgggtgtg  
 247701 agctggccgc caagagagga agattcctga tctccaaaga taasatttct  
 247751 tgcgtcaggct gtaactgggc agacaatgt cgtgcactc gcgcgcgata  
 247801 ttccatcaga ctggatgaca tcccagccgc ctgggcatgc tcaagtgtct  
 247851 ggcacacttc ctgactcttc tctgttgatc ggggtgagag atctggctc  
 247901 gacggatttc caatctgcgc ccgcgcagat aatgtgaacg aatgtgggpc  
 247951 ttcaagatgg ggttgagggtg gacttgatcg tggggpctca atgtggcgtg  
 248001 caaactaggt ttcttggcgc tctccatagt cctgttggtt cttgcgcgtt  
 248051 acgctcagcc gggaaatgca accaccata tgcagctccc tgtatgactt  
 248101 gtttacccga tctggtctct caaaaaaatt catccgcgaa acggagttaa  
 248151 ggaagtcoga tgcgatgcaa ccgactaac ccattcatga tcttcggcca  
 248201 ttaaaactgc aggcctccac cgtgatgag tccgctaaaga tggcgctcaa  
 248251 aagtctgctc acgcgcctgc tgcacgggaa tgggtcagaa tggcgaaatc  
 248301 tggacccatc aaaggggtga tatcatcaa taggcagctc caatctgttg  
 248351 ggtgggagc gtttcagatg ctgcgttatt ggaatgcctac gttctccagc  
 248401 ctactccttc tagctctgc ggaagctgag tttttccgat atagaattg  
 248451 tgggctcttg tgcagcgcgt gcgcgccttg ggcgtggggc gcaagtgag  
 248501 taacggcgaa gcgggtatcg gcgcgccttg ggcgtggggc gcaagtgag  
 248551 tttttcatga cttacgggtt tctcgtacag gatgcagcg caatccctgc  
 248601 cgatggtctc tcatcactgc ccgagtagct tggatttgat gacgataccc  
 248651 cgcagcaact cgcctcgcgc ccgagtagct tggatttgat gacgataccc  
 248701 gatgttatct tccaaacgcg acactctgca tccgcaatgc ggaactcttg  
 248751 ggtgatggcg ggcagcgcag cgcctccgat tgcgaagat tccggcgtat  
 248801 ggcacgcgaat ctgatgcagc aatggatgc ccgctcagga gcgcgggtg  
 248851 tgatgtccta tggcagatgc gaaacggggg caactcgtct ctatctcag  
 248901 ctcaagagat cgtcgtcttc gggagtgtcc cgcagatgc acgctgtct  
 248951 gcgcctatgc accgacatgc aagtcacagc taagtacgtc gatgcgaca  
 249001 gccaaagcgc cgtcggtctc gcttttgcg gaactctcgg tcttgagctc  
 249051 gccccagcgc tgaaggcaat cgcgcggcag aagctcgcgc ttcgggtgac  
 249101 aggcagtcgc agcggctcac gcaactcctt gcgcactctt tccagctgta  
 249151 tcaagtcgga agagatcgag cagcaatatg acgagatggt caaatcaccc  
 249201 gcgcgcctgc agaccagaa gcgggcaccc gaggccatcc tggcgggtt  
 249251 tgcgcgcgcg gagggtgatgc atcccaacta caaagcgttg agcagatcg  
 249301 gcgcgcgggt caagacagata tctcgtgtcc gctatcttg ccagagatcg  
 249351 tctcgtgcgc ccccccga ggggttgatg tctcgtgcga actggaacag  
 249401 cgaatgggtt ttgtgtctt tgggcagatg ccgcagatgt tgcagcttca  
 249451 ggggtgaaca ggaatctctc ggcctgggtt tgcactggt gaaacttca  
 249501 ctggtctacg tgaacacacg catgcttcag acctgctcg gcgaacgaa  
 249551 atggggcggc cggatggcac aggaagacta tgcgcgctc aagccctca  
 249601 tctatagctc cgtcaactct tatggcgtt tgcactcga cttgaatagt  
 249651 cggatcgact ttgatcagct tgcgcgataa tttttgaga cgataatggt  
 249701 caagattgct gaagcatgcc tgaattctt ctaccagcac ggggtgtgct  
 249751 cggccagttt ccaatttttg ttcgagagag caaagcatga tctcttggtc  
 249801 gatggcatg cctgcggaagc catgtgtgct gaggttatcg agtccatgga  
 249851 cgtctcgtgc cgcggggcaa cctgtcttgg tctgtctgtg gatgagccc  
 249901 caatggcat cgaatgctt agccagatgt gcaagagat cctggaatat  
 249951 gcgggaagc cgtcagagc tgcgattgct gcgcagctt tgcagatctc  
 250001 tcccgcttg aaatcgtcg cgtgtatcg cgtgcgggt cgcgcgtg  
 250051 cagacatact gatgcttgat cgggaggggg aaggtgcgcg cgtatgagct  
 250101 gcgagtcggc atcttggttg cgtgcttgcg tcttttagcg cagaggttga  
 250151 ggttgagggc ggcgcgcgtt atgagtctt cagtgpgctg gatgatgta  
 250201 cgcaggaat gcgggagggg gccaaagctt ggtttattca tcatctatga  
 250251 agcctcgata atcccttttt ggaagcgtgc cgcgtgtatt ggtgtgtgct  
 250301 tgggtcagca tgcacccggg aggcgctgpc tgcagggcta cggaaagge  
 250351 tctcggcg gcagctgcag cctgaaatgt catctctatt cgcgctattt  
 250401 cactggctt cgtcagatgc tctcgtcga tgcgcgtatg atgacatgga  
 250451 caagctgtct cgcgcagacg ctcttcgaa tgcctccat tgcacagga  
 250501 cggagccgat tgcagcgac atcatggca ccacgcgtg cgtgtctgga  
 250551 gcacaagccc tgcagattgt cggaaaacta caagccgga cttgtctcgg

00930964-082701

250601 gatgatcctg ttaagaacgg gatacggcgt caaggatgco tttgctaatc  
250651 gttgcgcttc aaagagcgaa gaaacacaca togtototta tgcgcgcgca  
250701 gaagcaaaacg gcgtcaaaat agatcgaaat actgcgaaac tgcgtcggga  
250751 ggcggctctg gcggatggga tgaanaaaag ccacccacca gcgcgcaggtg  
250801 toattgacgt catagaggtc tgcagcctga gccaatggcg gccccagggaa  
250851 aggatctcgc aggttttgct ggaacacgtc gatccgcaaa aggaatacca  
250901 gaatgcgaca gcggcagagc tgaatcgagt ctctccgaat gcgtccgcac  
250951 tggatggcgt cgtcccgctc accacagcgt ggtttgaaga cacagaggaa  
251001 acacggcgga tctccagggv atctcgctca ctgcggactg ttgaaaaag  
251051 gatctgggca tttctgggaag gcgcgggaga catctggggc agggatttc  
251101 tgcacacggc gatcattctc aaatcgagta agaaaggagc aatgctcaaa  
251151 gcaatggcag dcgcgcgctt cgcctgtagt cacaagcato ctctacagga  
251201 catcccgctt atgaagata togtatgac cacactggac gcaggcggtg  
251251 gatctccgtg gtgagtattt tgcgtatacc catcgtgaa ttgcgcaatg  
251301 aacagtctga ggcctgggat toctatttat tttgggtccc gactgagata  
251351 tgcacaaat cgacggagat gcacacgcaa attgaacagt ttgcatggta  
251401 taggacatgg ctcgatctgg atatgcggcg acatttaca cagacccagaa  
251451 ccttgccggc caaatgcggc cgttcaggaa cgcgcgctgc gaggctaac  
251501 gcggaggaga gaaagcggtt gcatcgctcg aaggtgcggc gcaactgatg  
251551 acatctctgc cgcagatctc tgcggcgctc acctttgtca ttcacgctat  
251601 cgacgcgctg cgcagatctc tgcggctatc tcaagtgtac gtgcacggc  
251651 tcaaggccaa ggcgcgcgat ctggttgcca ctgagcaaac cgcgcatacc  
251701 tccacagcgc cgcgggaagg gtctctgcac atgctcggcg tottcggggv  
251751 gttcgaaacc aacctggggc gcgagggcca ggcctgaggtt attgcggctg  
251801 ccaggaaacg tggcatctac aaaggccggc ccccgaaagt tgcgcggcga  
251851 gaaatctcgc ttgcgtgcca acaggggcaa gcccaccaga agatcgtctg  
251901 cgtatcggc atatgcggcg gcaaggtcta tcaagtgccc aaaggtgttt  
251951 tgaatgagc aaggccatcc gcatcgcccg tttgacatcc gccacotggc  
252001 agcaaatcca ggcgcgcgat cttgaggtt gcaggagagt cgtctagat  
252051 cagcgctcgv tcatcgaaag cgcgcgggtg cgcggctggt agcctggctt  
252101 ctgctctgc cgcgcttcac tcccgcgaca cccctttgtc gatggcaact  
252151 cctcaaatc ggttagggag atgttcggcg tgttgggca acgtacaggt  
252201 ctgagggtcg ctgacttga agcgcagttt atcgtggcg gcgacgctt  
252251 cgggataccc ggcattgatc cgcgcggcgcc gaataacct atatcgtg  
252301 agcgtattcc cgtacacagg ggcctcaagt tcaaccgtga caagttggc  
252351 atgctgtcca aagctcaggc caaacctga cgttacccaa tottcttca  
252401 acttgcccaa aatcacagct tgcagccgac gggggcaaat acggggcgca  
252451 tgtcgaaaga agcgtatctg aatcgaaaaa gtgacgggaa ttgcgcgaga  
252501 tcaaatgaag gttaaaagta cgaagttgat atgcgaaagc ctgcgcgaag  
252551 gggagacgac gtggcacatc atcgcaattg aggttccggv ttgcgtgag  
252601 tctctctgc ggcgtcaaat ggtgttgaag ctgcagcaga tccggcgag  
252651 gcgacacggc agacacacgc gtcaggtatt gatccacct cgcggggggg  
252701 tgcacgggga tgcctctac ttttgtcat cgggtaggag gtgcttgcg  
252751 togtacccac cggatccaaa gccttgatgc cagcgacttt tgcggtgtg  
252801 gctcagttt gtactattg tcaagtgcg agcgggact totctacttc  
252851 cgagctggca aacgcagtgt ctactcgtt agagcgatgg gttacttca  
252901 aacagtctgc ccgactgac gcgtggcgac gccttagggc cagcaactcg  
252951 ttacgggggc ggtggcgcg ccatgtctc gcctccggcg aacgacctg  
253001 atagaagtgc cagtatgaag tctactgga tcaattggcc gtcctgggtg  
253051 gccagaggtc tttagagacg cagagaggcg cgcgaatga tccggcgcc  
253101 ggcacatgca cagcgagtcg ctagtaggag caagtgccc gctgcacaa  
253151 caagcagcg cgcgcgctca agtcagcga ccagcagga aggtatcca  
253201 caaaaatcgg gcaattgttg gtgctctca acggtacga catcctcgg  
253251 gcgcgcctt catcgctat ttgaaaaact tccggtatcc tgaagaagc  
253301 gacttgagtt ccggttgctc tactgcgcg gctgttctc ctggcgagaa  
253351 ccaatgaagt tgcgttgcc ooctctccg atagtctgt ttgactccg  
253401 agacatttag caagtgaact tggcagagc cgggcgctat toctgatcc  
253451 ttcagtttt tgcactaggt gtagtatcg agaggtttcc tttcaactg  
253501 gccccgaact cgggttctt cccaggtctc ttgtggggca atctcgtggv  
253551 gcttttctt gggcatactc cagcctttg gaatgaoca gcggcgactg  
253601 totcggtcgv tgaatgagc aaactgaacc togttctctg ctcccgactg  
253651 cggctccaca cagcgagtcg cgttagtag catgacctc caactctatc  
253701 agcttgata aagcggaac gtttgtact tccagggca tcaactagcc  
253751 cgattccgat tagcatccc tgcaggattg ggtgtcgaa ggaagcag  
253801 tgcagcttga tgcgcataa atgcgcgac atgtcgagat gcaacgaact  
253851 cgtctgaagg ctgtaggcgc gaccatcgca caagcgttcc agatgtggct  
253901 cctaccattg tttctccctt tctgcgaac tgcagcggc gataaagaa  
253951 gattggggcg aggtacacca acggcgacag ccaattgact gcggtctgg  
254001 acaatccagg cagtgaacgc ggtccggta tggggcgca gcaacaaat  
254051 tgcgcctgc cgggtgtgac cagttcaacc tgcagaagaa atgcggcacc  
254101 caagggcgtt gcgcttgatc tctgcagacc tctgagctac acagcgcaaa  
254151 tgcgcgtgca ggcagagtcg ggaacccgct ttggagctc actccaaaa  
254201 ggtcacaacc gctttccacc tgcagcagg ttgactagg caagggctac  
254251 agcgccgaaa aaacacagta cgaagactgt aagttccat tctccctaac  
254301 actgaacaaa aagcgtctac cgcattttt gactccagcc agacgcacat  
254351 tcccgctggg cgaagctga tccgcttcg cgtcatgga tcccggaact

09939967.082701

254401	cogaaagttc	tgcgaatgac	gatctccatg	ggatagcttg	ggcgtatccg
254451	agggagatgt	cgcgcgatgt	cagaagaagt	gcacactcgt	aggagagagc
254501	toggaaagaa	agtttcacgt	cagttcacag	gctttgcctg	ggagatggcg
254551	cgtgcctgcg	ctgcgcgaac	atttgtctcg	gcaactcaac	ggcaatagcgc
254601	acgggtgtcc	gtgtatggcg	caacgcgcgt	atagctgaaa	tccagcgtccg
254651	ggcaagggcg	gctatgcgca	acaagatgca	aatctgcctg	atggatgtgc
254701	ggacatacgc	cgcgcagcat	accccgctct	cggcgccggt	tgcgcgcgat
254751	ggcaaaaggc	tccgcatcat	gctcttcgcg	aggagagcgt	tgcgcgcgtgc
254801	ggatggggat	ggcgccgcgt	gtatctgcata	gttagcgagat	atgcgcgtgca
254851	cgtggcggtg	ctgcgcgaac	ccagcagcga	agccagcagt	gttagcgagc
254901	ctttgcgtat	tggcagcgct	ccacagcagc	gaatagcttc	gtttcttagag
254951	tgttggaaggt	ggcgcatatgc	cgacatctgt	taatagcttc	agttgcgcgc
255001	tcatctcgag	ggcgacagcg	tgtctgcagat	gcagcatctt	agttgcgcgc
255051	ggctctctct	ggcaagaatt	ttagaagaatt	ggcaggggcg	atgtcgtgtgc
255101	gatggcgctg	tacacagatt	tccaaacatg	ccggcgccga	cgtctctgca
255151	aagtgcgtgca	cgcgccgcgt	ccctttgatcg	ggcgccgcgt	caggctgtgc
255201	gctgtgaagc	ggcgccggaa	ggcgcttcgt	ttagggcagc	ttctgtccagc
255251	ctgtctgtac	tccaaacatg	gcccaaatct	agcgttcagc	cgaaagctgc
255301	ggcggtcgct	ggcgccctgc	ggcgccgcga	aaagctttct	tcctgaactc
255351	gtgtgttcgt	gtgtatgtg	caacttcagt	tgcttcgaag	aggatgtcga
255401	tgcacaggaa	gtgttcacgt	tattctagat	gtaccgcgcg	acttggtgtg
255451	tgcagcggaa	tgtatccagc	tattctagat	gtaccgcgcg	acttggtgtg
255501	gctttctctg	catctggggc	atgcggcgcg	ggatgcagctg	cacgcgtctgc
255551	tcttcctcgg	acagagagct	tatggggcgg	gcataagctc	tgtcagatcc
255601	ggatgcctcg	tctggggcgt	ctcatctgag	acagtgtctc	aatccagctc
255651	gctgctggct	ggcgaccttc	ctatttcggc	tgtgtgcttc	ggcgaaactc
255701	catagcgtat	ttcttccagc	acaatatctc	cgctgaactt	atccttgcca
255751	ggatgcctgc	ttcttccagc	gaagtctggc	cggctggaggt	tcctgtgtgc
255801	ggatgcctgc	ttcttccagc	atctctggcg	ggcggtcaac	tactcgtctc
255851	ctttggcgcc	ttccagcgtc	atctctggcg	ggcggtcaac	tactcgtctc
255901	tctacacaca	ggcggaagaa	ggcggtttct	atgacctctg	ctgtgcacat
255951	catctggggc	ctgtgcgtgc	gttcggttttc	gctacatctg	tgcgcagcca
256001	ttggggcgct	aaactctgta	tgggaagaa	ctctctcgaa	acggatagga
256051	aggctgtgca	tgcagcttgc	ggccctctga	ggcgcaagcg	aaaatatgat
256101	ccctgtgtac	tctgtccggc	gctgacatc	ggctttctat	agacattcac
256151	tgcggagagc	ttatgcagcgc	gcacaccctc	tccggcgctt	ccccatttgt
256201	aaacggtctc	ggtagcgagc	cttagagcgg	gtacgcctgc	ctcttgtctc
256251	ttcttcggcg	ttcttcggcg	cccgagtgat	ctctgcagat	ctcttcggcg
256301	ttcttcggcg	ttcttcggcg	cccgagtgat	ctctgcagat	ctcttcggcg
256351	tttgtccgc	tgtatgtgc	tttaaaagca	ccggtttcgc	ggacgcgtac
256401	gtcagctaac	gataccacgc	tttgaagcgc	attctatcac	cggtgtgtag
256451	tttgtctaac	acacaaacgc	tttgtcaact	ttcccgagac	ccattgatagc
256501	agttgtactc	aacctggcgc	aactggcgaa	ctgtattcgc	agcgcgttgt
256551	aggagttgta	tgtatgtgca	actcaacttc	aggcatcttc	tctatgagac
256601	tccgcggcac	catctggcat	tgtccctttt	ttagggcagc	gatgtgatgc
256651	ggggagttat	cgatatctgc	gatgcctgc	aaagcgcgcg	gctgtgtgac
256701	aaagagttcg	aaanaaaagg	cacagagttc	ggagttgtgc	gctgtgtgac
256751	aaagagttcg	aaanaaaagg	cacagagttc	ggagttgtgc	gctgtgtgac
256801	ttctaatctg	atgtgttttt	catctttcac	gttccatctg	ctgtccactc
256851	tccacgtcat	ggcgccgcatc	gttcagctgc	ggcctttcac	ggcggaagac
256901	ctgtctctcc	agggcagctc	ggcgggcaac	ccctttgcac	gagttgagac
256951	cccttgctgct	ctctagacatc	tttaacggaa	ctcttcagc	aatccagctg
257001	gcgcgtccac	gctgcagtcg	tgagctgaa	cgcatagcat	gatccacccc
257051	gcttctgaaa	gtgtgcgaaa	acagtctaac	ggacaacgca	agccagctaa
257101	ggctctatct	cgtaaatgtc	tgcagctgcg	ggcaaacagc	cgcatgctgt
257151	ggctctatct	cgtaaatgtc	tgcagctgcg	ggcaaacagc	cgcatgctgt
257201	aaactgtgat	gtgtgcgaaa	aaagagagac	gaatagatgaa	ggatgtgaaa
257251	tacactgtat	atctgttgtt	gttcagctgc	tgcactcttg	aactccaccc
257301	gaacacacgc	aaacggcgac	ctgcttttgt	ccctctctct	ggaaagctgt
257351	gcacgtctac	ggcaatcaac	agttctgcag	ctagggtctc	gtattccacc
257401	gccattctct	ctgcagacatc	atgctgttgt	aaagtgcac	gatggcaagc
257451	cttttgtatg	ctgtatgtaa	agctatgcaa	acaagtgtgc	cgattttctg
257501</					



```

262001  cgttcggggc  ttgtcggagt  gtcttcacgc  ctttcggcca  gccctcaaaa
262051  tgcgcagccc  cgtcaacctg  catgcgggta  tgggttagga  tgcctgcgca
262101  gtctggggaa  tcaaggggga  gtccaaggaa  ttctccatcc  tgcagtgatg
262151  agagctggag  gtctgaacct  aggcggcgac  gagccagctc  cttgaagccc
262201  tgcgcgcatt  cggggtctct  cgtgcacctg  ggctcattca  ggttaggttc
262251  ggcgcgcatt  gtgtgaaggt  tcatgcctgt  gggatccggc  gggaggttcg
262301  cgtatgcgat  atgtcttcac  agccggctgc  ccatctcggt  ctctggcgac
262351  tccgcgatag  cgaataatgc  gtgaggagag  ccatgtctgt  ccgaatcgca
262401  ttggagccat  tctgtctgcg  cggcgggggt  cgtgggggtc  aatccgacat
262451  cggagtgagc  cgccttgacg  aggtttctgt  tcttcggctc  ccggaggaaa
262501  tctctgatca  ggtaggctct  gttgatagct  gtaatactgc  cgaagggtga
262551  aggtttaaca  ccgtcgaaaa  gccaggggta  gtagtgtgtc  tccaatctcc
262601  agaggtggaa  atgggggtcg  atgatggcga  tgtcgacatc  ggtatctctc
262651  cggggtcgcg  ggaacggcca  ggcaccggcg  ttcccgcgag  tctctgtcca
262701  gttcctcggg  ggaacacggc  gggcgatgac  cgccttcgct  tccgcgctat
262751  cgtatctgtc  ggcggctcag  agcggcatga  caagccggca  atcccttttc
262801  accggcgcat  tggctcagag  gtgcatacct  tgcacgtctg  cgtctatgac
262851  ctgtcccaac  gccctcctga  agaagatccc  ctggtggcg  gttgctttca
262901  acagtccaat  ggtcgtcggt  ctgcgctctg  cgaaccggat  gccagtcttt
262951  ccggttcagg  cgcgggtttc  aagcaccttc  gcgcctcgg  tccggccttc
263001  atctacata  ccgtagatcg  ccttgatgtc  cgttaggggc  gtccagcatg
263051  cattggcctg  cgtcacggcc  tcaatgacgg  tcaagccacg  cgtctccagc
263101  atctggacaa  gttcgcagcc  gtgggtctgc  aaggctctct  gagcgccttt
263151  gagatacttc  tggcgctctt  cgggctcttg  cggaaaggaa  ggcataccaa
263201  ccttggtggc  gcgcggctcc  ttggcgaggg  ccagacggaa  ggcgccttgc
263251  gcttggtcag  ttctgtaggt  gtctgcggtg  acggaggacg  tgtagtccgt
263301  ctggccgggc  tgcgggcgga  taaccggcaa  agcatctgtt  atgtctgggg
263351  atttcagata  ggcgagcgga  ggcggggtgc  tggctgagct  caccggacgg
263401  atgcagatcg  cgtcgaagcc  ctttgtcacc  gcggttcggc  catctatctc
263451  ctgcttgccc  ggcgaattct  cggaggtgaa  ctgcacatag  tctaatacta
263501  gctcttgggc  ctctctgttc  acgcggaaag  cgaaccaatg  ccaataggaa
263551  atgtcgagcg  atggcgcgag  ataggcgacc  gttttctcgt  cctccgcatg
263601  cgaagcgttc  gacaacgctg  ccagcgctgc  acccgctgac  atggcgagcc
263651  accggttcag  ttctctcttc  atgctctctt  cctctctctt  cctccagagt
263701  ctcccgagcc  cgcgattcca  ccgacacgac  ccgcgatttg  atcccgaggt
263751  cgtatccgac  ccgcatcagg  atggcgagcg  cgttcagcca  tccgtccgac
263801  aaactattga  tgcgatgag  attgacggcg  ttcttgatga  ccgtgatcat
263851  gagcgctcgc  agaaccggcg  ccaccgcggt  tcccgctgcg  ccagcagcgg
263901  ttgcggccgc  gatcacaaac  gcggcgatcg  cctgcagcat  gaggttcgaa
263951  ccggcgtcgt  attccgcat  gagaatgtag  gaaatcgta  ccaatccgga
264001  gaaggatcgc  agaagtgcgc  aggcacata  agcagaagac  tgcctccgct
264051  tgcagggaat  tccaggaaga  cgtgcgcgct  ccgcgctgct  gccacggcca
264101  tagaacaccg  gccccgggac  catctttctg  agaaagattt  cgtacagpac
264151  gagcgagag  atgcagacaa  ggtatgagtt  gggccgcggc  gttctcaggg
264201  tgcgcgtggt  ggcagcgacg  aaatccggat  ccgcgatcgc  catcgaggtt
264251  ccattggtga  cgtgaaagc  gagtgcggcg  gccacggcca  aggtgatctc
264301  cgtgacgagc  aaagcgcgca  cgcggcgcac  cgtgacgaga  aagcgttga
264351  tcgaacggca  caacagcccg  acccaagccc  caatcagggc  ggcgctgagc
264401  tcgagacctg  aggcataagc  ctgtgtgtgt  accatgcggg  tcagtgagaa
264451  gacgcgagcg  acagaaaggt  ctatgcgcgc  ggtaatgagc  acgagaagca
264501  ccgcgagcga  catgatgata  agcggctgctc  cggcctgtgt  aatatggcgt
264551  aaagcgccc  agtccatcgc  ctgcggcgac  tctgttccta  ccggagpac
264601  gagagagaca  atgcgcctgt  caatcgccaa  ttctgtacgg  tggcgggaaa
264651  cgaaggcttc  ccgagtctgg  attgccctgt  ccgtagcccc  cgtctggtta
264701  ataattggtt  tctcatgccc  gccattctct  tcaatgcggc  aagcttgttc
264751  tctctgagtt  cgtcccgctc  gatcaccccc  gatgagccc  cctctgtatc
264801  gaaagcgagc  acctggtcgc  agatctcaag  caattccggc  tttctggctc
264851  accaccagad  gattgcgctc  ccggtagtgc  ccatgtcccg  gatcaactgg
264901  tagatttccc  gcttggtgcg  gatctgcgac  ccgcgggtgc  gttcttggag
264951  caacaggagc  cgggaaggaa  cgttcagcca  gcggcgagga  agaagttctt
265001  gctgcgtgac  gccgcgcagc  atgtctcgca  gttgcgggca  cgaacgttgc
265051  ttccatctga  cgtctcccat  cagttccgat  cctcgcacat  cttcccgctt
265101  cgttcgaaac  agggaaacgc  cgttcggcgg  gcgcgatcgc  agcacatgtt
265151  cgtatgcggc  cagggaatgg  aggtatgcgc  ggtgcgcggc  gtcocgggtt
265201  accgaagcgt  ctcggaggcg  cggcgctctc  cggcggaac  ggaacaggtc
265251  gggccatccg  gcgcgggtta  ccgtccagcg  cctttctgtc  gcgggcgcaa
265301  tgcagcgggc  gatcagggtt  tggggggccc  caggagcgcc  ggcacacggc
265351  agaatgggtc  caggctggag  cgttaaggaa  aaacctgttt  ccgcgatctt
265401  cagcggttca  tccgagcgga  accgcacggc  tccggcgcca  ggggatatgg
265451  caacggctgt  gcttggtgac  tgcctccatc  gcttcagatg  gtcagatgac
265501  gacacatctc  cgtcccgac  gttcccccac  cgggtctctc  cgtcccgagat
265551  aatcgagcaa  acatggggga  tctgcgggat  ttctcttcgc  cgtatgcgac
265601  caaagcgcac  cgaaggggca  ttcccccggt  tcaattttct  cagaaccccg
265651  aacagcgctc  cgtctctggc  cgcggtcaga  ttggcggtgc  gctcgtccag
265701  gaggataagt  tgggccccgc  accagacggc  tccggcaatc  tccacatctc
265751  gtccctcatg  gaggtctgag  tgcgcagcga  gacggttcag  cggggttcac

```

09939967.062701



265801	gcgaacaccc	gatcacaatcat	gaaagagccgt	gcactaggcct	ggctgcgcggc
265811	cgctctccca	tgatcaaacgc	ggagagccgt	ggcgaaatga	ggcactgctca
265901	tgctctccagc	acccgctgacc	tggggaaaga	ggcgaaatga	tgctgctggc
265951	agcggaacact	tggcgccgacc	tgcctgctgt	ggcgatgtg	ggcgatgtg
266001	atccgggaag	acagagtctc	ccacatcctt	tggccgcgct	cccgctggct
266051	cgcggtatgc	cgtgactattg	cgcgccagct	tggccgcgac	ccgctgctgt
266101	attctgcgcg	gcgtgaacga	aaatcccaac	ccttttagca	cgcactctgc
266151	acctacagac	tgtgtaaagt	atctggacga	gcagatgtct	tctgtgcggt
266201	cgctctatgt	cctgtctctca	gtatagcgct	agcgccgcgt	tgaagctcac
266251	cgccaaagaa	agcgtctatc	catctggcaa	gaagggccag	agctcaacgg
266301	tggtctctgc	gagtggtgat	tggcgccagt	acggagagat	gacagagctc
266351	tctgcagctg	cgagagagata	ccagccgatt	ccaaagtat	tcacacatct
266401	agatggctgc	tggagccggt	ccagcccgat	cgtatctgca	ggcgaaagcc
266451	acgtcagca	tgcaggtatg	gagccggcgt	gcatactgac	cggtcagctc
266501	acgtcagca	tgcaggtatg	agatccagca	ctggcgctgc	ggcggtctga
266551	gatgttggcg	acgacccaat	cgccatctct	ctggcgctgc	catcgaccac
266601	tgatgaccca	cccccagcgt	cgactgccca	tgtatgacac	catcgaccac
266651	cggttgcgca	ccggcgctctc	gacccagcttg	tgcgagaact	gctctccatc
266701	ccagcttcgcy	tagtaaaaga	tgctgagctg	gagccgaatg	acgcacagga
266751	gcacccgcag	tctcgtgggc	gtggcccgag	caaacccgag	gcataaggtg
266801	atcagccagc	gcagagacac	cgccggcgag	ctcttcagct	ccagctgtgc
266851	gcagcttcgcy	cctcttgtct	gcagagagct	cgagggctgc	cgccgcctca
266901	cgcaaaagaa	ccacagagac	agacaaagac	tggcgccatc	caggttgccc
266951	cgcgagtcg	cccgccagca	gaggttggcg	caactgcagc	cgctaacacg
267001	ggagagtcg	gctgcagccc	cgccggcgcy	tctgacagcy	tcgtagaacg
267051	ccgaggtctc	ggatagagcc	ggatagagcc	agcggtggaa	cgccagccgt
267101	ttctgccgcg	ggatagagcc	acacagccga	agaaagagcc	gtgctgtgac
267151	gcgcgcagag	cccgccgcaca	tgctatcgat	ggatgcgcag	ctccagagacg
267201	ggggtccgcg	cccgccgcaca	tgctatcgat	ggatgcgcag	ctccagagacg
267251	ggggtccgcg	cccgccgcaca	tgctatcgat	ggatgcgcag	ctccagagacg
267301	cgccagccga	agatctcgaa	aaagctgggt	ctggtcatcaa	attctgtgcg
267351	ccacaaatgc	aaagggccaga	tagcctgttg	acagacacga	gacgcggcgg
267401	gcgatcaatc	ggggcttaac	cgccggacat	gcacacatcc	tcagttggca
267451	gaagcaatgc	atctcagaca	tgctctatgc	gccactctgc	cgctcttggt
267501	attctgtgcg	tggtcccaac	cagggccgac	ccacgcgaga	ggcagacaga
267551	cgctgcagct	cgcgcaacgc	acggatccta	cgcccaaggc	gaatcacccg
267601	cgccaaacaa	tagggctggag	acggggggct	tgttctgctc	cgggcagctc
267651	cgagattggc	cgcccaaat	ccagctgaac	ggcgaaagct	cgccggctgc
267701	tcgtatagtc	actcgaccgc	catattgcgc	cgccgaatgg	cgccgcgcac
267751	gcgtgcagct	cgcgcaaac	acggaaagat	cgacacaggt	agctcctgag
267801	cgatgaasaa	cgctccgcgc	cgccgcagct	agcggggcag	gcaatctgcg
267851	gcgatgaaga	ccatgatgtc	gcctgcgcgc	aatatgacga	ctctgcgcgc
267901	gaacacgcgc	atcgcccgct	ccagctagctc	aacagagatt	gagagagctt
267951	tcactggatg	ctctccgcgc	gacaaagctc	cagcctttgt	ctgcgcgctc
268001	gcagctgcgc	agaaattcgc	cgaagggctt	ctctctgtct	gcacacaga
268051	agctctgcgc	tggcgaaatc	ctctggggct	caactgggct	acctcgatcg
268101	cgctgctgcg	cctgaaggtc	gccacactct	ctcgctctct	gtcgccgcgc
268151	ggatctgcgc	gctgtctgcg	cgctctgcgc	gtcgccgcgc	tcactgtctc
268201	ggatctgcgc	gctgtctgcg	cgctctgcgc	gtcgccgcgc	tcactgtctc
268251	ggatctgcgc	gctgtctgcg	cgctctgcgc	gtcgccgcgc	tcactgtctc
268301	tcgattctgc	ttttatgcgc	gtcgagctgc	ttctctgtct	gtcgagctgc
268351	agtttggagc	tatcgattct	ggcgccgctg	ttctctgtct	gtcgagctgc
268401	gcctcgtctg	aaagcgtctc	agactcgcgc	gaagcagctc	tgctccgtct
268451	ccgcctgcgc	agcctgaaaa	atatccatgg	tcttgagctc	ggcggggctg
268501	cgatctctgc	tcctgcgcgc	ctcgccggcg	gtctgcagct	tgctgcttgc
268551	attctgtgag	tgggcaatgc	catataccca	ccagctgcgc	ggccacacgc
268601	cgacgcgcgc	gaagggctgc	acagatttgc	cgcccaaggc	ccccacagga
268651	acctggtatc	tcctgtcgct	gtttctgaa	agggcaagga	cgcccgagga
268701	ggcaagctgc	gggaagcgcg	ggagctgcgc	tcctctggtc	ttgctgtatg
268751	ctcagcgcgc	cgccgggggc	aggctctgca	gcactgcgcg	gtcgtgcgct
268801	ggcagcgcgc	cgccgggggc	attatgtgtc	acagccgcgc	ggtctctctc
268851	gctcagcgc	attctgtatc	gt		

269601 gcctgctoga tctcgtctgga atcgcaagga tcatgtatgg tgaagttogg  
269651 catgcgcggg aacatggcca tctcctcgtt cgcctgatgg ctccggccat  
269701 agcctgttgt cagtcocggc agcggcgaga cgaacttgac gtcaagcatc  
269751 tctcggcgga tccggagcca gatgaagtaa tagggcgggc gcgatgcgaa  
269801 gacggcatag ctgcctaccc agggctgcgc cctctccgtt gccatccggc  
269851 cagccgacat catcagcaac tctctggcca tgcctatgtt tgaagagata  
269901 tccggatagg ccccccggaa gacatgcaga tctgtgtatt tgcggagatc  
269951 ggcgcaagga cggagcagac ggtctgtcct ttcggccaa cggcaaaagg  
270001 catctcgaa agtcgcggga cgtctggggt ggtccggccc ggcgaatggaa  
270051 ggcctcatcg ccgaagctgt taatccgggt ctctccgat tgcgatgatc  
270101 atgggcgggg cgtctgtatt tccggcggtt catgcgctca ctcccgctgc  
270151 gatgatccgg atcgctcggg cccatctcgt cggttcgagc cgcaggaagt  
270201 ggttgccgtc acgcgcctcc aggaaggcca cgcctctggc catctctgta  
270251 tccagagatg tgattctggg ctgcggatgc cgggtgtggc ggcatttgta  
270301 gaaagcgtcg acagagccat cgtatgtcgt cccgtctgat cgttggaagt  
270351 accagccgaa ggcctcgaac tttggaccga gaggctgaa gttgagcaat  
270401 ccagagcagc ggcctctcgc ctgcacttga ttgacgtga cgtatccgat  
270451 caggttgtcg aggtctgagg aacccggcca catggcgtt tcccaggtag  
270501 aaactccgtc gactcaccg tccggagaga ggttgtagac taaggaccgc  
270551 gaactcttgc gcttcagcga gggagcaatg tccagcggtta tgcggagccg  
270601 gtgaccagca gatcctcggg taattcccat ggcgcgctg taggcgcga  
270651 tgcgggacat cggcaggcgg ctgtcatcgg cgcctatagt ttccagtcca  
270701 tcttcgggaa tgattctgc ctgcataag gccgcataga gtccgatgtc  
270751 ataattggcg atcgacaata ggaagcggtc ggcactctcc caactccgat  
270801 gctccggcgg gtaggtctgc gctcgaaat aggcgaccca gagaagctct  
270851 gcgatgcgga ggcctctgct gatatagcgc tggccctgaa ctctgccat  
270901 cgggagcgca tgcggcgcca tccggcgccg acgctcgggc agcatgatgt  
270951 tctgacccat ctgagccatg cctcctctcc tttcagggtt cctcgtgagt  
271001 caatggatca gcatgcgcgc attgacgtcg atgcggggc cccgtccagta  
271051 ggcggagcca agtcgcggga ggaagagata gctgttgccc acgtcggcgg  
271101 cctcgcccaa agcatctagg ggaatgcctt tgcgatgtc tgcggagcca  
271151 tccggcgaga gcttgtcggc ggtgatgtcg ctctgaatga gccccgggtt  
271201 cagccaattg acgggaatgc tgtcggggcc gaaactccct gccatggcct  
271251 tggcaaggcc gacgacggcg cctctggcgc ccgaataatg tggcgccggc  
271301 aagattccgc cgcgcggctg cgttgaaacc gacgacatgc aggcgatga  
271351 tccaccgcca ttctgcgcca tgtttggtat gaacaactga ctgagattga  
271401 gcaagccgct catgttgacg cgcagcatgc gctgcagatc ggcgtcagag  
271451 atatcgaggg tcttcacggc ctgggtgatg cggcgattgt tgatgaggt  
271501 gttggcgagc ccaaaagcgc tcaagacctc atccgagggc gacgtcgagg  
271551 aggcgcgca gcaagcgcgc caaagacctc cgaatcgccc acgctgttgg  
271601 accgcccga ggtcgcgcgc tgcagacttt gctctatgg cgttgatgtc  
271651 aagaatggcg acccgcgcgc cgtgcgatgc aaaaagctcc cccgttgtcc  
271701 ggcacaatgc acgctgtctc gcgcgcgcgc agatgcgggc ggttctccc  
271751 ttcaaaagca tctttctctt cctcccgaca ccgactatgc ggcgcctggt  
271801 gtctccttcc aggcctctgc ctgtcctcgt ggaagagttg tggcgctgg  
271851 cgcacccgtc ttcaaacgcc aactttacat ctgtgggtga atctgatcca  
271901 ctaatcccat gctgcagagc agtccactct cgcgtatgcy catctttgaa  
271951 gctgcgcgcg gactcgttcc gtcccgggca gccggggagg agttgaaact  
272001 ctgcgcagat ggcctcagtc attgcattat ggcgctgaa cgggatctgg  
272051 ggttgcgctg gcttcagagc acgcgcgcga ggccttgcgt gactctggcg  
272101 ggcgacgcca gctccactca ccaactcaaa gcttcagagc aattgcggcg  
272151 cgggtgtgaa caaatttcat ccaaaagcgc gcaattgctg cgaactccat  
272201 gcgcgcggag ctctcggcca caggtgctgt cgcoccgctt gccgcagttt  
272251 ttgaagagaa atcccgccat agagcctcgg gtggcgccca gccaccaact  
272301 cgcocgcttc gtgcgtgggc tcttcgatgc cgtatctgtc taaggcgagc  
272351 caactcaatg tgaagacctg atcgtcatcc cgtttctga agaactctc  
272401 tbtgcgcttt gcgcgcggga tctggcgcac caaactcagt ccccgcgcca  
272451 cctgtttcac caaocgctga tccgaagcga tctcaagcgc atccagtga  
272501 tgcctgtgtt cgaagccaat gactcttgac caaccacact accatcgatg  
272551 agttttgacc ggaagcttct tgcctctgat gctgcggcca accgggtcag  
272601 tctgtcgttc gactcagatg tgcgtccaat ggcgcgaacg ctatatcgc  
272651 agtctgtcgc tctctctcat cggatctgtc cagcggcgac tgcgcggc  
272701 caactctcgt cctatccaaa atccggcagc cagcggcgac tgcgcggc  
272751 ctttgccgat tgcgtgacgc gcgaatgcca gccggccgac actgtctcag  
272801 agtagacatt ccgcagaggt tctgcgcgc gactgtcac togtttccg  
272851 gtgaagcgga cgaagaaatt tccaggccgc gtcgctcaac cgtatcaatg  
272901 aagggcgccg ctaccocagg cgtgatctgg actaataac gtcattgcca  
272951 gatagggaag atgtgagcag ctgcgtccgg ggaactcga ctgatcaag  
273001 aacgggtttc gctcattccc agacttgaaa ccaocgcggc cggcaatgga  
273051 ggcacccagg tatcaagggt tgaattttgg cggcgctgat gggagtaact  
273101 tctgtcgggc gactcagatg gacttcagag gacttcagat cggcgccga  
273151 caactgtgtt attttgtcca gatttgccg gatttgccg actgtttcag  
273201 caactacatta ttatccatga gttttgaaa catgtagatg tatttgagg  
273251 cgtagggggc ggcgctgtcc tgcaggttgc cggcgcgggc gtcgaagccc  
273301 tcatattttt cataagatga gaagggcgag cccatgtctt cgaacagcgc  
273351 ggcactcttg cgcgctgcca tctggcgagc ggcgtctcc ttgttgagg

09339964-082701

273401 ttccaagaa gggttccgga tacgtacagc cgccttgac gttgtgataa  
 273451 ggcgcagatcg agccgcagaa ggcgccttca accgagatcg cgggagtgcc  
 273501 atattcggtc tgccaggagg ctccctgcga catcggggtg aaattgacaa  
 273551 tgcgcgaagc cgcacctcgg atcacagatc cgttccacag gtgcgggggc  
 273601 tggatcattt ggcagcccat gacgaggcgc cgttcgaa ccccatgtag  
 273651 ccgcagatgc ggtgtcgagg tgacctcttt ggcgatcagg tccgtgcgaa  
 273701 cggcctggaa gtgctcatag acgcgctgac gatttgctt caaacccggg  
 273751 tctgtccatt tcgggcgcaa ttgcgcgcgc cgcgggatat tcgcagcgc  
 273801 tgaggccaca cccctttcca gccacagttt gcgcagaccc gccgcatagc  
 273851 tggcgttcgc tggaaatttg aaaccgcat aggcatagag gatgctgggg  
 273901 tctgtgcgtc cagcttgac gtccctgggc gtaacagga agtatggaac  
 273951 ctctgttcca tccctggagg tcgcgcagaa ctgctgtgct tgcaggcttc  
 274001 cgcgcatagaa gctgtctggg gtgcgaagtga tcttctcgac ttgcggcgtt  
 274051 ggcgcacatcg cgcacaaacag agttgaggtt tcgagggaacc cttctgaaaa  
 274101 gacgaacaaac tgatcgtctc catcgtcgtc agacgtcagg gacagcgtgc  
 274151 aattttccgg cagagccagc ttgaagagac accagcgccc cttgcgcgaa  
 274201 tgaagctgc gcacctcgtc ggtgacattc gataggatcg acagcacagg  
 274251 acgatttttg gtctgggttag tgcctggac agattgatgc tcttttgga  
 274301 tgaacagcac aagcggttca acgcgcgtc gatccggag cgcgcgctg  
 274351 agatcgaaag cgaataagtc accatttggt aagcaggtgc ctttgccgga  
 274401 ggtccagtcgc ggcctcaacc aatagattgc ctggcccttg tagtagccgc  
 274451 taaagcagc cccctctggg cactcttggt cgtatcgagc cgtatcgagc  
 274501 tggcggtttg ggttaaaagg ttgctggta ttgaagaagt cggagccgcg  
 274551 atacagagtg tccataacat acttgccatc gatgtcgtc agcacccgcg  
 274601 gtcgcagcga gacgtctctt ttttgccgc ggaataatc gacgcgtgga  
 274651 tcaagctctc ggcgcgcctt taccaccttg gtgcagtagc catagccgta  
 274701 agaggctcact tcacccggcg tccattcccg ggtcacgtag atgtgtttct  
 274751 cgtccaccca ggtcacggag tgcctgacct cgggtaggac gaagccttcc  
 274801 ttaacgaatt cacctttggc aatgtcgat tcgcgggaca catccgctac  
 274851 ctgtccgcga tcggcacagc ggatgaggtc gagattgctc gtggggcgga  
 274901 ggcagtcctc gcccttcgaat acccaggtct tgcctctggc ctttgatagc  
 274951 gcatcgagcg gcgcatcttg cgcgcctgac aggttcggtc acgtgcgagc  
 275001 ctccagcttc gtcgcgcgcg atagcccttg cactgcgttg cgcctctgac  
 275051 aagaattgtc gatcatcccg tcgcgcgcga agctgggaga agcaatcgcg  
 275101 tctgtctcct gtaggatcgt cagagcgtcg gccctggtact cgcctgaacg  
 275151 cggatctttc gacagcttat cgaaggtgca aaggtttatgc cgcctgacgc  
 275201 aggtcatcgc cttgtgcgcg tgatctcgtc tcagatagcg gcgagagctg  
 275251 gaggcgtcct tggaaagttt gttgggggtg gaatcaatcg cgtggcgac  
 275301 ggtgtcctac tggggctggg cgggagccgt catgttgacc atagtcatg  
 275351 ccatcatcaa gctgtcaga aatgtagtgca gcatggtttg cttcttgaa  
 275401 agcctcgata aacgtatttg aagcgtttta aatcaatgcg ttccgacctc  
 275451 tctccagaaa tgcgttgcca ctctgtgtg ggcagagctg tcccgacctg  
 275501 gatttttggc gttcatctgg agcctgtgtg gacgaagtg gactctgtg  
 275551 tcgaacccgc gaacggcgtt tgaacagcgt cgggcgcgtg cggatccggc  
 275601 aattcacgga gttcgcgta taaggttgac tcgggatttg gacacccgc  
 275651 ccttgctttg tggaaagacc ggcgctctgc gtatgaagc cgcgcgcctc  
 275701 agcggcaatt tggtaacaaa gctcggggga tttttcgaa aacctgtag  
 275751 gcgggtcaat tgcctatccc ggaactgcca ccccaaggcg cactccaat  
 275801 aggttcaggt tcaagtgtga ttgacacctc gcgcagacc cgtcgtctc  
 275851 tcaggccgtc ggggacccct caggagcttc cggatatggg acctatcct  
 275901 gcgcgaatt gcgcgcagc ctcgcaccca cctctatag tctgtatgca  
 275951 cgtactggga gatcatctc tactgcgaaa cagattcggt ccaggggaga  
 276001 ctctccagct acccttagcg tgcctagag agcggtcggt catatcgga  
 276051 agccggggcg cgcacatac tcaacatcgc cggcgtcgtc tataggcgcg  
 276101 agttgtctga agaaagcgtt cgtcacgggt ttctgtatta tccgttgaat  
 276151 ggttcaggaa tgcgcttag gtgcacatcc ggttgtaagc ggcgcggcgc  
 276201 accgcgggca agccttttac cgcgccagcc actgtcatag cgtctcgtc  
 276251 accaaggggc ctcatgggaa ctgcctcgc caatgatata cgcgctttg  
 276301 gttagatcga aaacggggaa cgggaagttc acttgatcat tgatccagg  
 276351 agttcgtcgc tccccagtg aagagtgaac ttctgcgtg ggcgagaaac  
 276401 ctattcggtt gacataacgc tatcttgccc gatgcocggc cccgatagga  
 276451 tcaagcgggt tcagcgggtt tctgtatag caatgcgtcg cactataggt  
 276501 gttcaagcgg gccccacagc caggtctgag cagattcggt gagaagaca  
 276551 cgtccagctc aattgcacct ttgtgcgaa tctgtgcgaa tctccgtgag  
 276601 ctcttcatat tgcgaagta cctcgggcac cttatgctga gattctgag  
 276651 aaatggtttg cagcgcgcga gctcctgcaa gatgtcaaac tgcaggaaat  
 276701 ttgtcctgcg accgcatctt cgtctgtgta tgcgaacaaa tgtatggtc  
 276751 ggcggttctc ggcataaata tctcgttgcc accgtctccc agaatatgt  
 276801 gcgcgaactg cgggaagttt tcgcggaaat tgatttctt aagatgatc  
 276851 ttcatttcgc gcgaagtgcc agcgcgcaga atgcttctc ctcocagtcg  
 276901 cgtggttcaa agctcgtgtc gccgggaaag gaaacacag gttttgtg  
 276951 tgcgaggtt ggcggccact tcgcagatgc tgcagggggt agcatgcac  
 277001 ccagcttgta ctttcgcctg tgcaggtc ggcgcgctg agctgcgaa  
 277051 caatcagcgc cgcgctgcca ttgcgcgac tatttcacg cagcgtgcac  
 277101 caatcagcgc cgcgctgcca ttgcgcgac ggcgtgcaca aacgatagc  
 277151 aacagcgtc ttctgcgcgc cgcactgttc catttgatat tgaatcaca

0939964-082701

277201 gcgcgcagct atgcacagat tgcgtctgtcc cgcgcagggga tgcgtctgtca  
277251 aggcgtctgc cattctgtcca acgaggagac gttcggagaa aaaaatgagac  
277301 gatgcagcaa cgtctctggg cgcctctgtcc ccaattgga gcgcgtctggc  
277351 agcgcaaaaa tgcgtgcacgg cgcgaagtga ggtatccagag ttggttgatgt  
277401 tgcgcagggaa gcgcgaggca agcgcagtat cgcgcgcmaa gtggtttgtga  
277451 tagagctttt ggaacacagc aacgatcggt tgcgtgaactg atcccaagtgc  
277501 gataaaggcc atcagctttg cgcgaacggc gaggtccacg ccccccgggc  
277551 tgcgtctgctt atagggggccg aagtagctgc cgcgcgcagc gttagcctgtg  
277601 tctgtctacgg ggaacacaga ttgtgcagag ctcgctctgc ttgcctccacg  
277651 atgcgtatgc cgcggcaata tgcgcgtctg cgcacacagg caaagcgagc  
277701 ggtctcggga tctgtcaaa ggcgtctgtg agtatgcaga ggcgcacatg  
277751 ctgcatacat gcggatagct tctgtagcta aaaaacgat ccccaagtgt  
277801 gaggcggcgg cgcgcgatcc aatgcagaag tccctcggcg tgcgcttcaa  
277851 cgtaaaggcg cgcctctgag ataacaggag tctcccaact gaggacattc  
277901 aactgcgact cgcgcctcac gtcccagcgc tcatgacaaa scgtgatcaac  
277951 gtctcgtgca ttgaccccggt ttctccgcag agcgcgcaca scagcatoga  
278001 gattgttgat ttcttgatag cgcgaattgt tatcccgctt ctctctgtca  
278051 gtacagaaga cgcgccttcc atctctgaca accgggatag ccccgctatg  
278101 ggttaactgt atgcacacga cgcgcagcgt gtctctcatct caatcaggtga  
278151 gtctgattgc ggaacaggga agcgaagcag ttctcatgca agcgtgpgcc  
278201 ggcgcacaaa agcgcgttcca cctgatccaa cgttttgttc aactctgga  
278251 tgacggtctc ggcacccggc acatgcoccc agcgcgggca attagcatct  
278301 attgcggatc caaaaacat gtgcacactt ggcgcacaga tgcctaacag  
278351 gttgtgaacg gcggtgcgta tgcgcgctac atctctgaga taataaagaa  
278401 cttcgtggcc cagcatcaga cgcgaatagct gctgagtcga gaactgtcga  
278451 acgtcagoga ctatccagtt gatgtgagac gatctcttca cctgttgctc  
278501 cgttcagaga atcgtctcgg gcaacacatc aatcadagtc agcgcgttgc  
278551 aataaggcgc cagtttttcc gtgaatgcgc cgcgcgggca cccgatcttg  
278601 agtgcggttg tgataggacc ttgggaagc gacaacggaa cgtctctgga  
278651 atgtcgtctc tgcctgaagc cattsggcttc gagcgcgcct ggttctctcg  
278701 cgcgcagctc agcgcgcgat aatgaatg ctgtgacgtg cgtacgtgac  
278751 gctctcggga cgtctgcac ggaattgcaa agactcttgc acatggttgc  
278801 gcagagcgag gcgcgaatcc ggcggcggtg aatgcacggc aattccggaa  
278851 aaagcggtcg cgcgcacaga tgcgtctcctc aactactgta ctcttgagcc  
278901 cttgagttcg ctcaaaagtc atacttttct gatcgagcat caagcaaaat  
278951 tctaaaatc gattttttgc atgcacaa caaggttat ggaagtctcg  
279001 ccagttccgg tcactccaa ggcggggcgt ttggggctgc cctggttgat  
279051 cgcattctgc tggagtgag agttggagta gtgcgcgat cgtctgagag  
279101 cctctagatg atcgtctcag ggtatcttct acaaaaggtt cgtctgttga  
279151 gagtgtgata tctcgtcgtg ggcgaatcgc gcaatcggc ggcagcttgc  
279201 caagtcagct aactcagat aatcacatc ggttgatgc tgcagctctc  
279251 gtctccagc cgtctgtgga agatgccttt ggaattctca agcgcgcga  
279301 tgcatactgc cctctctcag ggcagcgtc ttgttgtctg accggaggtg  
279351 ggctgctaga ctcggaggtt gcaacgcgc ctatgaagpc cgtcgtttc  
279401 cagtgacatc agggagcgt gatccgcgg cgttctctca ctccggatgc  
279451 accgtagcgg tgcgcacatc tgatgaagc ccaggttctc atcgttcaaa  
279501 tgaaacgctc cggatcaagg tcaagttggc tgcgcacaa caactgcgc  
279551 cgtctcagga tgcagagata cgaatccgc gtaactctgt tctgtgctg  
279601 cgtgcgcctc gatgtgcaca ccaagaatc gctcactcc ttcttgtga  
279651 gaagctcggc cgtatctgat aattgcgcac cagcaaaac atgttgaggt  
279701 cagtgctcgt tctgcctctc catgcgcact gtctccaga tcaactctc  
279751 taacccgact gatacgcatt catccatgc gtggatcttt gccatccaaa  
279801 taacacagta tgcgaattct ctgaacggcg atagagaag ttgactttaa  
279901 ctgaagaaga gaaggcgaaa ttctctcgg atcgtttta gactagaggt  
279951 gctctgatgc cgggaactcg gtaacttgag ctttgagcgc acccggtatc  
280001 gaatgcagc cgggaactac gatcaattc tgcagctctc ggaactcaac  
280051 gattggactt ggcggaggtat cgaactgtg tctctccag acgcgcggac  
280101 cgcattctgc tgcagctctc aagcagga ttaggaaag ggcctgaggy  
280151 acatatgcag aatggttctc gatactggaa caactcaac gtcgpgggt  
280201 ctgcgcagc atgcgccttc cgcgcgttc cgcgcggg gatcggtg  
280251 cctcggcgcg tgcatacga tactactccc gatctcgg aggggattc  
280301 cccactcaag ctgggggaga cagcgaatc cctggtatca accggcnaag  
280351 ggctatctgt gtcagcgacc gccaaacaga ttgggtacgg attgcaagaa  
280401 tgtatagcgc ggcgatcagg atgagagggc ggcgacaatc tggatgagc  
280451 tcttatgtcg cgttcggcat gaaggtata tgttgattgt cgttcgcaag  
280501 ggtctcatcg tgtctgtatt gtgcctcgc gacaatcagg gaagcacttt  
280551 tggttgtcgc gaaggcgggc ggtctcgcgc ggtggcgttt ggttccatgt  
280601 gcgggaacgt cgcgatagct ttgcagcttc atttgaaag cgttgtgctg  
280651 atgaacaaat cgttccacgg cgcgcagcgt catggcgggv tccggaaaga  
280701 cgcgtctcgc cgttcagcga gcttgatggy cgttcataga gatggaaag  
280751 cgcgcatact tctcggagat gatctcagga agcagctgtg tctcgtctgc  
280801 gtccttggtg acgtaggcca gatcgtcag gatgagcaga tgcgaattgt  
280851 cgcgctttgc gatggcggtat tgcagctgga gttcacgccc tgcgaactgt  
280901 agctcttgga cgaagtcggt cgtgcgcgtg aacagacccc gccacaactt  
280951 ctgatcagc ggcgggcga tggcgcgccc gagatggctc

```

281001 ccggcgagacc gaacaggagg atattggcac ctttggcgag ccaactgtcg
281051 ccggcgagacc tggccatgac ctggggcctg gagaccatgg gcacggcgctg
281101 gaagcgagacc ctctcgagag tctttccggg cggcagatgc gctctgggga
281151 ggtgagcgttc gatcctcgga tgcggccggt cagccagttc atgctggcgg
281201 atggcgagaaa ggaacaggag cgcaggccac ccttcacgat cggcctgttc
281251 ggcacaaatgc ggcacaggcg ttttgatcgt cggcagcctc aggtcatatga
281301 gcatgatgoc gaggcggggt tctgctagtg tttgttgag ctttttcttc
281351 cggctctcgc cgcatacaga gaccccatca ggggttcata gctattgagc
281401 gatcgagcgt gatcgagcac ggtcggcaac tgalctgggt ccggaacgaa
281451 gatcgctctc aagcccatca ggtcggcgag tttcggggc tocgagcttc
281501 tggcagatgc ctggcgagtg tcacgctcgc aacccggatc atgagccagc
281551 ggcagcaatt cgcaggtgat cttgcagcgc tgcggctcag cgaagtgtct
281601 gatcgagcgc togaagccgc tgcgatattc cggccggggg aagagcttgt
281651 cgcgatagac cagggttgag agcccatatg gctttttgag cagagagttg
281701 atgacgttgt gatagttgac gaccttggtc tgccttcgag tgcgttggtc
281751 cgcacactgt ggcacagtc cagatcggt cgcgcgatg aagacgtgac
281801 gacgatcgtc aaacaaacgc acacggagcc gatggcgcat caaacgggag
281851 gggagcgtgt aagagcattt ggcacagggt aagccggcgg tgcggagcac
281901 ggtgagcact acctcctcga agtcgttgt agtcggctcg ggaagacgt
281951 gcatgatcgg cgcctcggca tcaatcgct tggcatggcg gcatctggcg
282001 cggctgagca tctcgtgat gaaggcggg taggagcgca gatcgtcgaa
282051 gtctcttgtt ccgcgcatac ggaagtgcct cgggactcgc tctcttgagt
282101 ggcgctggga gcttttgatt gagcgtttc cgtggcgac cgccttgttg
282151 ttgcggctgc gctcatcgc gtatgagcg cagagctcct catagcggtt
282201 tgtcagatgc accttggcat cggcatcgag gttcgggag gcacgagca
282251 ggtcgtcgtt cgggtgatag agcggcgac ccgcgcagca ccaacggggg
282301 tctcgcaggg cctccgcgaa ggcgagcag ctttcgcgc caagtgatc
282351 attggcgctgc tcaaaacggc accaaacgcg ccggaagtagc tagagcagat
282401 ggtgagcgtt tggcggcgag atgctcagc cagtctgac cagtctgac
282451 gctcagcaga gctcctagtc cggcggtgc ggcagatcac cgcagatcac
282501 ctctctgtgt tcaactgaa ccgcgcgcca tgacgggatg ccgcctcaa
282551 gtgtcggcgg aatgccttcg ggcagttct gatgacggc cagcatctcg
282601 tctaaacggc cgcacggcag aatgcgggga cgggccttga ggcggcggaac
282651 gacctccgca tcaagatat gctcaaggcg atcgggtgga cgcgcgggag
282701 gggcgcgctt gttctcgagc ggaaggcgct gctctttctc catgcggaac
282751 cgcgtcgccc ggtgatcga cgtctcgg cggcgagcct ccaagagatc
282801 cgtttgtcgg taactcatga ataactcat ctgatcgtg gttacatggc
282851 ggcgcggcga aaaggtggtt cctccattca gaacaaacgc cagcatagcg
282901 ggcgcggcgg atcatgagtc gctcaaaat ttgcgcggg cgggggttga
282951 gctcctcgtc atctcagca tctcctctgt tgcgcggcgc cgcgcgtctc
283001 catcctgatt gacgtcgagt ctcaacttgt ttgtccggca cgggaagtgc
283051 cgcgcactca cgtcggcgg ggtctagagg ctccgaata tggcccaacg
283101 aagcacacaa tgtttggcga ccggtctcgc acctatctc tgcagcagct
283151 gaaggttgtt ccgtccggga ccgcggcggc gcttttcgc gagactatga
283201 gtctcgacgc tttctcgagc tatacgggca tatccgggt gacaagtatga
283251 ccgggctcga aacggcgccc cgcactaca tcaacaaacg ctttgtctcg
283301 ccgagtagcc tggcccggtt gctgcggcgg ttaacggggg cgcgggaagc
283351 gtcaatgcaa caggattttc caattcgatg tctggcgnaa gggcgccgct
283401 tgcactgcaa caagatttgt aaactcagc tctcgtgag tctcactctc
283451 tcatgagctt gctcaaaat atgctcctc tgcagtaga agctctggg
283501 gatgctcgc gtaaaatttc cctcaattcg cgtcttcgc agctcgccg
283551 cggcgttgtg gatctgcac gctccttct gtcattgga ggggacatt
283601 tcaaccttcg cgtgtgttgc ggtgcgctcc ccttcacac cagtgtatgc
283651 aatgctccaa gcaactcag gggcggtcgc gagcggaggt ccacacggcg
283701 ggcagatcac gcaatcggtt tgtgtatgt ggcacgct atcaccagcaa
283751 aagcgctgtg tagagcaaat gtcccccag ccatgttgag gagggagatg
283801 attcgagat ggcacgttac gatcccggtt tggggggcat tggaaaggca
283851 catgctcga cgcgcttgc agggcagat ttcagggata ggaacattat
283901 ggaacacgca tggaaatttc tgcgtcaatt ggcgtcgcg ggcagctgag
283951 caagcgtcga agagattttt atgctcaatt atgctcgtc gcaagattgc
284001 gaagcgaaa cggaaacaaa ctgcgcact cgttcgcaat agccacgca
284051 agctctcgc actcctgac acgatccgc ggtgatcgc ggtcgtatc
284101 tatcgaccca gctggaagc gacccaatc cctcgaggga aatgaactc
284151 acagctgaca ttcagagccc tggacccctt cgcggaggtt aaaccaaaca
284201 atcggatgag gctgggaaga ggtcggggcg gcaagcgag caagcgcaa
284251 attccaaaaa gaagcgggag atcagatgct gagaacgctc caagagcgg
284301 cgcgcggagg ggtttggcga gagctgtct gcccacaaat aagctgagac
284351 cgtcaaaaac tctgtctcgc ggtatcctt cttcaacgaa gtcgcaatcc
284401 tgcagagga aatcaagag ctgcgagctc tgcgtgctca aaactttat
284451 ctcgagagc ctcagctcaa aaagatgctt gaggctctg acgctcgttc
284501 agctcgcgc actgaacct atgcgcact cgttcgcaat agctgagta
284551 gcccgggaa cgtgagcgtt ggggacagt ggttgcgca gcttgcgca
284601 ggcgcgggtt aagtggaac agtctccgt cagcgctctc ggcagctctg
284651 aggagattat tttcgcgctt gatcaaaa gaggttggg gcgcacatgc
284701 ttcaggatca acagctgaaa atgggtggcg cagcgcgcg atatcgccct
284751 ccaagcgcaa gctcagttg cttggcgcg actggttaag

```

00930667-002701

284801 gacggcgcaa ccatcgcatc aggccttggt ccggagcgca agccacacag  
 284851 ctctctccga cgcggcagcg tccctgggat gccagatggt cgtggpccat  
 284901 gatccagtcg ccgccaatca agcctcctga acaacggcat ccggcgtctg  
 284951 ttctgcttcg cagtgccgtg atggcgttag ccggcgcaac tgaagcgtcg  
 285001 ggcgagcttc cggggcgaga aatccagtcg cgttcagatc tagggcccca  
 285051 agcatcttcc gttgtcctta ctggcgatag cgggttcgca gatgtttgtg  
 285101 tcatagatcg gcttatcgcc gccactccag ctgacacaga gcttcagtcg  
 285151 agctgattcg cgacgatcgc aacggcaccg aacgtggatc tctgtccctc  
 285201 attcccaagc cagcgcgcca ggcctgtgtc agctcgactc gggcgctcac  
 285251 tctccacatg gatctgtcga gttcccgaca tccggcgagg cagcactcga  
 285301 gccacgcgaag tcatcggtgt gctttgggaac gatttccaaq cttgacgcca  
 285351 cacatgcata gccatccaca taacgcgtgc gccgcggcgg tggagattcc  
 285401 gaagcaatcg tgaagaactt ccttggtatc tccgtttacat caggctccgc  
 285451 tggagcggaac catggaaaga ctttgcaaat tccgacttta cgtatgggtc  
 285501 gccagtcgaa gacttcgata atggcacttg taatttgtct aggcaggtga  
 285551 gtgaacaacg cactcgttac cggcgctccc ggtatttttg gggaaactgt  
 285601 aagcaagcaa ttgcttagac aaggaaccta cgttcgggtg ttcgacctga  
 285651 atccgcggcg cttcagtcac cctaactctt aatttccaa gggcacaaat  
 285701 ctcgacgcga acggcgctcg acagacactt tccgggttag acaaggtgtt  
 285751 acacacagtc cctcagcaca cttacgcca cttatctgtt cttatctgtt  
 285801 ccgttaactg ccgagcactc cagatcatcg ttgacgagtc ggttcgcgag  
 285851 gggatcgaaa agtttgtcta cacttcctcg agcgtgcttt tccgtgcgoc  
 285901 gaactcgaac ccgctaacg aagaacacga accgaacccg gcggagactt  
 285951 atggttcgcg gaacttcgca ggaagaatta tctgaagga agcaatcgag  
 286001 cgtgatggct tggatgtggc gatctgtcgc cctccgacag tcttcggta  
 286051 tggcgcccaa ggcgtgtccc agattctctt tgactgggtt gaacggggcg  
 286101 tctgatattc agtctgtgtt ggggttaata acaaatata gttcgtgcac  
 286151 tggatgattc tgcactggcg atgcatagca cgttcgaatg tgaaggggtt  
 286201 tggcacatcc aattattgtg ctgcggagtg ggttcagatg tctgactctt  
 286251 tgcagatggt aatcaagcat gccgaacccg gaagtgcgat caactcgatc  
 286301 ccgatgggac ccactgcctt tgcagcgcat ctggcaacgg ccgtccgctc  
 286351 ctctccctta gggccatacc attcgtctgt gttatgggga gcaattgttt  
 286401 tctgatcttc caaagcgcaa aaggcaactg ggtatgcacc gagatctctt  
 286451 aattctcaga tcatgatgca gacctataat tggtaaccag ctaataggcg  
 286501 tctcttcgga aaggcgggag ggtcagctca taaggcgccc gtaacaacga  
 286551 agctcccgag attgcttccc tatgcactgc ggcgtgatcc aggatgaag  
 286601 ccggttcgat tgaatttggt tttgctcgcg gccctgaatc cttgatttgc  
 286651 tgcactatcg taactatggg ccgggcttgc ctgcctccca cgcggcggtt  
 286701 tgcctatgag cggctcttgt acggctcttg aggttcgttg gttatttatg  
 286751 gcattaacct tctactgttt gccaaaggctc tggactcttt ggaagttata  
 286801 gtgccttacc cgattctggc aggttcocga ttcgcgatgc tttatctgc  
 286851 gtgcattatt ttttttggag aacctatcca ccttcacaaa tggatcgggt  
 286901 tgcctcctgt cctgttgggc attatttttc tggcgagg aggttaagt  
 286951 ggcattcgat ccagtgatcg tggcaacatt gacaccttta tggcacttgc  
 287001 tgcagcggga agaaaggcca ggggtgtgtg cagagtcga accgactgag  
 287051 acccgttcca tgcacttgc cccatttccac attcgttttg ccgttcgaag  
 287101 cgtttcgatc gtcataggtc tctgcactgt cttgatttca cgggttcgag  
 287151 ccgggtcctt ggcgcgacg ctccgaacag acagatttta tgggtcctg  
 287201 caaagatgcg ccgttcocgc ccgttctgtt atacgctttt atcgttcgat  
 287251 gacgtgctt ccattttatg atgaagccgc ggtagccgaa aagctgttgg  
 287301 ctgcacgggc tgcataaac ctaataggtt gaatatgaag ggcgggtttt  
 287351 cgttgaacag cgaactgcga ctggaacgc atgcggtgat aatcggttcc  
 287401 ggcggcgggc gtgcagcgtt tctgatgata ctacagatcg ccggtttata  
 287451 tgtgatcatg cttgaagaag gtggcctatg tccctatca tggccttcc  
 287501 ctttcgcgag tgaagcattc gccgcagcct ggcgcggcgg aggtatcaac  
 287551 ggcgggatcg gcgcgcctcc tatgtcttat ggcgagggcc cgtcgtttg  
 287601 gggggggcca gaaatccaca ccgcgatcgc cgttcagcag catagcgac  
 287651 tctttatcca atgtgcgaag ctttcaaga tccgaattt taacccggac  
 287701 gaactgtgc aattattatg tccgcgggag acaacggtga atgcgcact  
 287751 gaccccgccg ccactcggcg gtccacccga cactctcgcg ctgggttggg  
 287801 aagcgtttg ctggaaggtt tccgagctga aacggggcca cgttgactgc  
 287851 aaggggccca atcggtgttc tttcatttgt ccgaatggcg ccaagcagtc  
 287901 gatggcggtg acccttctcc caaactcgat ggttcggcg atcgcgctgc  
 287951 ttgcgcggac gccgttagac aagatcccta tccgaagaag acgttcgcga  
 288001 gctgtctgtc ctcagtttga gacgcgttcc ggcacagggc tgcactgtgc  
 288051 cgttaaacgc ggaacttctt tctgttcgac gggagcaatt catagcgag  
 288101 cgttctgcca cgttctgag cctgttaaac gacttggga taacctggcg  
 288151 atctatccga ccgatcagag gccgcgaact tttgatgaac cctgtgatgc  
 288201 gccacgatcg cccttccgc tgcacgcgtt taccgaattc atgcgcgagc  
 288251 agcgcatacg cgggttcgtg ttcacgcggc cgtctctttg ctttcaact  
 288301 ggcgaagact ggaaccaatg ccgggatctg atgcaggctt ggcgtttatg  
 288351 ccgtctctat tccggcatga taccacgcgg ccgagtggtt tccgttgagc  
 288401 ctcttccggg tattaatgaa ccgttcttga gtttcaact ccgcctgcg  
 288451 cagctgatct ctttgggcca cgttctcacc cctcctggag agggcagttt  
 288501 ttggcgcggt gcccggaagc taatcccaac tatatcggtt cactagggct  
 288551 ggcacaaccc tgcagcgttc gatgaattcc gatacaagcc tctgcttgaa

09339964.082701

288601 aaagcgacca acctgatgac catacatctg ttttccacct gccaccocgy  
 288651 cgagcaatcgg gacgcttctg cagtcgcacg ttaagcagct gtgcgggggg  
 288701 tggaaaaacct ctttgtgocg gatggcagcg tcaattcctga ggcgcggcgg  
 288751 gtcaatccccc agatgaagat catggctctg gogtccogga tagcgaaagc  
 288801 ggcctctagt catctctctc gagaaacggc ccaattggcc agacagaggt  
 288851 aagcttatac caataatgag caactctggc tctctctgg aacaaagct  
 288901 gggaaatctc gataatgag caactctggc tctctctgg aacaaagct  
 288951 gtgactgaa ttgtttgcca gccacgggttt gccccacaaa caactctctg  
 289001 aagtgaatcag aagatttcta caacgatatt tttctctaat aattcttaaga  
 289051 tgggtctctg ttgcaggcgg ggcgaagcgg cgtcagaaga aattatagat  
 289101 ctctgatgct tttttaggcg tcaattgagc agcatagggc cgcaaaaaat  
 289151 caagcgtggt tccgcacatg cgtctctgag acaaaattgc ccaggagata  
 289201 tctgcgggtg tataggtcac acttctctga tcaagaggggt tgttggccac  
 289251 cgttctcattc ggaagcgctta cctcggcgcc agctttccac attcaggggg  
 289301 atgctttgaa agcagtgccct tcttctgaaat caggtctcttc gacctgggat  
 289351 ttgaaggggt tgcataagac agccttggcg ccaaccaaaa ttgagggggg  
 289401 ggtcaaaata atagctgtta tggttgtgag ggcgcacaaat agctgcctat  
 289451 tccgataggt ttgtggagaa agcccgaaag tccagcgcat catgcaagc  
 289501 atagatggaa tgaattcacg ccatcctaaa tcaattgaca taattacgt  
 289551 atggagtatc ttgttacaata atagagggcg cagcaccagag acagttaaa  
 289601 cgcactcaat gtgtgcgtat cgttactgtt cgtcagaggg tctggcaaaa  
 289651 ctccagatga ggaatgataa atatatatt ccgaacctaa gaaagccag  
 289701 acaagccagc aatcctggaa tgtccaaaaa ccaataatcg ccggcaaaaa  
 289751 tgggaaaaaac ccaaaactcc agcaacttcc tagttgttaa tatagcgac  
 289801 ttttccggaa taagcagcgg tgcacagagt agggttatga cagactgtgac  
 289851 cgaaatggaa atgacacact ccgaagcggc tttgaccttt agccatctgt  
 289901 agacgcagct agcgcacact agggctataa tcaaaagcgg cgtatagct  
 289951 ccgcgccaca tgcagctccc ataaagaga gcccaattg ccgcctaaaa  
 290001 taactgcaga gccattatgc gccccggcgtt ggaataaaaa attgcaggt  
 290051 atgcctgatg ggcaatcagc gccagcgctcc cggaaaagac gtgcgtgggt  
 290101 acccaggggg cctggataat ccaagcttgg aggcactggt cgggtgccat  
 290151 caattctctg agccacttcc agaaagcaaa tgcacagcgt gccttaagct  
 290201 aaccgacgaa taagagcggg agtgacacc aacggcgata tgcactttg  
 290251 ctctgcgcga cagcagccca agttacgaca aacgtggaga aaagcggctg  
 290301 catgcggcta agagcgatgt cggctcccca gccggttgcg cctgtatga  
 290351 ggagtaacca gggcggtatg aagtcgacga cgttagtaga aattagttgc  
 290401 ttggagcgtt cggctctgaa atggaaagga ttgcggggag gccattcgtt  
 290451 ttggcgattt cttttacaga tccgagatct tgaatggccc agatcgatct  
 290501 gacgcggccc gacgctacct cctaagctgt gcgaaagct ctcgaagct  
 290551 ggcaaaaggg agagagagaa cgcacacagt aaccagcaaa agccggagct  
 290601 cgcaggcgat cgcaggagcg ggctcatggt gcccttcgag agccagatc  
 290651 cgacagcgga caaaacaggc agcatcaga tcaagttgat cgtcttaagt  
 290701 ggtaaaaaat gaaaaattga aacggctagc gccgcgaata tcccaagct  
 290751 gatgaccggc gacagagcga ggcgatctgt ggtgttctg tccaaatct  
 290801 tggaaacagg ccaacctatg gcatatcta tagcaactga acaagctgcg  
 290851 ctggagacca ttgaagaagt ttgcaccgcg actgaaggcc tccagctccc  
 290901 tccgcagcct tgaactgaat gactgacact tttgacgca ccaatgcacc  
 290951 gaaactgcca tgcctctgg caacgcaatt ttgcggggtt atccagagcc  
 291001 ttttctggct ttgttgatac gcagggcaat tgtctgttc atttcgaca  
 291051 gccactggat cttctggtga tagatccggc catattggag ggtagatca  
 291101 agtatcgttg cggcgccgcc tacatgtccc ggcagacgga aaggtttggg  
 291151 ctttaacgct atgcgaaat cttcgtgcag gaccattcca agcattcca  
 291201 tgatttctgt catggtgtag ggcgtctcgt ctgcaagaca gaaaatatct  
 291251 ccgcagcccc gctcgtgaac tgcggccaga agaatgcct gacgcaggtg  
 291301 tgcagtgtaa ccatggatgc ggcgttccc cccatgcca ataatggga  
 291351 acttgccctc ttgacacctc ttgaaaaaaa gogtttgct tgaaggttga  
 291401 ttgggacccgt aaaaaccggg cgcggcgacg atgcacatct ccatgtgct  
 291451 ggcagagccg acttgcagcc gacgtgcggc gacgtgcggc atcttggag  
 291501 ggcgggtacc tgcgtgggga tcaatgggga tttcctcgt gactctgg  
 291551 tccagtgtag gttgaagcc gccgcgggaa ttgcagaca tgcagcagc  
 291601 gccgcgcaca cctgctcttt ggcgtgcagt aacgaggttg atcgtgccct  
 291651 gtgtgttgat tgcctcaaac tgggcaacat ttttgggat aatgataact  
 291701 gccatgtgaa tgagaaaggc gccctggcgg ccggcgagca agcggcgagg  
 291751 ggaactgcate tccgaaggtt cactgttcgg gatttccat cctcgtttgc  
 291801 gcaactcaga tatgtctct ccttagagca cgaaggccct taccggagag  
 291851 cttcctgttg cgaagaatcc tgcactccgg aggcocctcg tcaacggcgg  
 291901 cgcacaccgc ccgcaccaac agccggcgag tccagtttag agtcagagcg  
 291951 ggcacttcaa agttataggg gtatctctct gcatattgag atttgatga  
 292001 tttcctctcc ccttcagaga cgcgcagcaa atgaggggga cgtaaaaaca  
 292051 gctggtcttg tctgttcagg cgaagcaaat aggtctctgt tgcattcca  
 292101 tcaagtactg gagggccggc atccttttga gccaaattga aacggcgagg  
 292151 ggccgcaaat aaagccatgc tggattatga tatagtggt tcaactctct  
 292201 ctcgagtgag aggaaaagca gcatgatgac gatcagggcg gaagcggagg  
 292251 caaggccatg gcccaaggtt agcgccagct cgcaggcgaa gtatccggag  
 292301 ccttcgatgt ttctcttggc atttgagcac ggcggcgatt cttccaatg  
 292351 acgttttgcg agagccagcg aattgagaaa cactactgaa aacgaaaaa

09939964-082701

292401 GCCAAGGGA gaatgocagg ccgttcagca cctgaaccat gacaatcctt  
 292451 aagtgcaaga acgcccacat aactgcagca ccgagtaacg caacacggtt  
 292501 caggcggaat gataagccca gtgtcagcgc gggat agaca gaagcaacca  
 292551 gogcgaaattg atggtccaaa agggagggcgc tcccaatgoc tgtagaagcc  
 292601 ataaccagac acgcgcagaa gccgttcattg acactgattc ggocgtgcag  
 292651 gattgcccgg aagcgttttgg tgcgatcgcc cgggtccggc tccagatcag  
 292701 ccagatogttt gataatatag gttagccgaaa caatcaggcc gaagcgcgaa  
 292751 aaacccgaag tcgttttccag tacagcatgg aagtcgtccg caatgocggc  
 292801 gagaacaga ggcacgaaga tcagacattt tttagaccac tgggttatcc  
 292851 ttagttcaga aagccaatcc ttccccggat gacttttttc aggaatgagc  
 292901 gccctaaact cgcgcgcagc ctccagcaggt ttggttttga actttactcc  
 292951 gtgcgaacg agaagcgttc cggaaagcgc ctccagagtc ggcaggtcgg  
 293001 cggcaactgtc gctcgtatag atgaatccct cgggaagact ctctgaagc  
 293051 cattgcagtt tgcgcgggct cttagagttc agtgaagcc tactccccct  
 293101 ggcaccgtcg aaacccgcga gatgagaat gatatactct gctatgctct  
 293151 gatcagctgc cgttaacgaga taggtttcac gccccgcaga tctgcgcgct  
 293201 cgtatcaggt caagcatctg ttcccgtag ggaagcgccct gggtgtcaac  
 293251 cgaacggact ttgcgcagag ctctcctcag ggcggggcgc ccttaaaccc  
 293301 agtttggaaat cgtgcgaagc aactcgtcgc gggaaaggaa gaagcatcac  
 293351 aacaggttct cgtgaagact gtctgatttt atcagctgtc catccaggtc  
 293401 acaaatcaaa ggcacacttac gatcaagca gtccagatca agcaactcac  
 293451 ttctattttc cccgtgttcc atcgtagca tctccagacc ggcagccgcg  
 293501 aaacaggtcc aaagtaccgc gggccacttt tggggagttg gtgagcctgg  
 293551 cagcggcggtt ctggtatatc agctgcagag gacatctgct ttttgccctt  
 293601 ctcaaacgac cgttaagcta tccatcccca cccgggttgg tatctccaga  
 293651 cgcattgcag agaggagcat caaatgttgt gccagcttgc acaaatctat  
 293701 gggaaagagac ttctgtata ttgttcaatg acgtgcagtc gttgcgctg  
 293751 atctcagctg gcagcgcgtg tctcggcgac acgcagaaat ggaacagcag  
 293801 tgtctcttgt ttgacgttta caggaacccg ccgcatagag tgcactagta  
 293851 ggggagcagc agaggtttga taacccggcg attcggctgt cccgcagcag  
 293901 tgcgtgcaca agtcggtcac cagggcgaca gttcttaca cgcgcgcgta  
 293951 cgtgaagcgc gttagggcgc cggctgttca tcttagcggtt agaaacggag  
 294001 atgctcgtca ctggcgtgaa agagagcttc cgggcacatc agaaagccag  
 294051 gcaaaagtact gaattgctg acactccgcg aaggaaacgc ggaagcagtc  
 294101 cggcgccaac tgcatacaac ctccgaatgt ccaattcgca tccgtggcag  
 294151 ttgcgatcac cattataggg ttggcaactc gtccgcgaat ctgcttgagt  
 294201 gtggatcgat ctccggaact cattcggcgc accccagccg gatgggaatt  
 294251 ccaatcccca agatagtga ggtccgcgcg ggtgttctgt aatgcttgt  
 294301 ctatctgtgc gaactgcgat gactggtccg gaatgaagtt atggcgacca  
 294351 tgcagcgttt tgggcgcagc acactacata gactgcagta ccgcgtgac  
 294401 gactctgtgc gactgcagca gactgcagca gactgcagca ggaagata  
 294451 tgttggcgtc ctgattattt acttgagctg cgtccggccc caacaaatt  
 294501 gtcatccctg tgaagctccg cagctgcagc togaattgtg tgcagctcgc  
 294551 tgggttttcc acccggggag aatcgcgggc ccattttcgg tgcagtcag  
 294601 aatggaaagc tgcagctcac ccgaatcgtc caagtcggg gcagcagtc  
 294651 cgtcgtgctg cgttacaact tccatcgaca ctctcgtcag gtcaaaaggc  
 294701 cctccgggtga acgttgggcg tctgcagcgc gtgggaacta tegtcccca  
 294751 gctgtcaata gttgggagcg ggaagctctt cggggaacca tegtctgtca  
 294801 agcagcacata acaaacccgg gactccggtt tgaattcgtc ccaacaggt  
 294851 cggcgcgctc ctctgcgttc gtggcgctgt acgttaacct ttccatggt  
 294901 accgcaactc taggcgaagg cgccttgaca ctccgttgag gccgaagtgt  
 294951 ctaccacaaat ctgcggctcc tgcataatg ctcgaaacca accgatgggt  
 295001 ttccccctga gtttgcggac gtctccacca ttcgagattg ctgagccacc  
 295051 tttagcgtgt ccaagcccca cattgttcca aggttagttg tgcagagga  
 295101 aatcgtgcag cggcgttgtc tttagcaggc cccacaccga acgaccagc  
 295151 gccatctga cgtgtttgoc aggttcagc agatogaaat cgtgatctg  
 295201 cagctgaccg accgtcagc ggcgaagctc gactgcagc aaactgcgca  
 295251 ttgggcgcga ccttcagaga acacacttt tgcctttcca gactgcgca  
 295301 acagcagctc gtagagcact atctgcgtcc agaggtatc cgcgcaccaa  
 295351 gaaacactgt cgcgcgcgcg tgcagagcac ggcgcgactg acggaanaa  
 295401 acaaacccgtt gcccttgtta tcaagggcgt aggaagctc ctctgaaaa  
 295451 accaacggcg taatcgatag atcgtgtcgc gaaattgac cgaagtcttt  
 295501 caggtgagcg gggaaagagg ccgattgtgc ctctatgoc ttctggcgcg  
 295551 ccgcacaaat ctctcccggg gcctccggga atggcggctc cagggtatc  
 295601 cagcgcgcga tgaagttttt ccatggggcg gcccgtttg ggcgatcgaa  
 295651 ggggttgccc atccaggtgc cgtccaatgg ctccaatgtg ctccgaattg  
 295701 cttgaaacgg tggagacatt ctctgcacca gggcgtctgc ctcagagaaa  
 295751 acgtgggttc cgaagggggc aactgcgtcc gactgtgcg ctcagagaaa  
 295801 acagcagctc taactcgtgg caactgcgtc atgtatgpc gttccaggtt  
 295851 cggagcgttg tctctcaggg ctggtgctat caactccact gctctccgc  
 295901 cgcagtgcca tgaacttcag gactgcgat aaccgctcgg ctatgaagtc  
 295951 cgcgaacatt tgaatggggc accactgggc agactcctg ctcagcagtc  
 296001 acaaatccct cgtaaaagga ttctgatgac gctcagattg cagttcagtc  
 296051 ggggatatcg aggttcggca gaacggatgc agggcgagat cgcgcacatt  
 296101 aagtcggatg gaccgcggac tgcctatcgg ccaagggacc tgggatgaca  
 296151 aggtgcgcgc ctgttggatt acggcgcggt gagagggccc ggcgcctcca

0939964+082701



145

300001 ctgggttcagc aactttggcc atcaagcttc cgggtacacg aggatatt  
300051 gatgcggcgg aagagaaagg tgaccatgag acaattacga caaatgtccc  
300101 ggctttggcgg aagcggaaaa gcagccggcga gattggcggg atgcttgggt  
300151 ttgcggcggc caccgtgcag gataacctga agcggggcgg gttggggggg  
300201 ctgacctggc cactgcctgg cgaactgacc gaagaggcgc togagatct  
300251 gctgtttggc cgcgcggcgg tcaagcaggc ccaacggcga cggcaagcga  
300301 ctgattgggg cgaactctcc tcgcggcgtt cgaagcggc ttgtgcgcta  
300351 cttaagcttc gggaggaata tcgcggcgtt cgaagcggc ttgtgcgcta  
300401 cagcggcttc ggcgaactgt gctggggaca aggccttcgt ggaatattcc  
300451 cagtcggcca ggaagcggc cgaatcgagg accggcgagg ttgcggaggg  
300501 ggcagggggg tgcaaatcgt cgaatcgagg accggcgagg ttgcggaggg  
300551 ggaactgttc gtgcggcgtc tcggcggcgt cgaactatcg ttgcggaggg  
300601 cgaacttgac ccagacgcgc cgggattgga tcggctcgca cgtgcgcat  
300651 ttgcctcttc tctgtggcgt gccccggcgt atcgtgcggg acaactgaa  
300701 gtccggcgtc aacggggcca acttccacga tcccgagatc aacggcagct  
300751 accgcatgat gggtccccc acggcgctcg gcgtccatcc ggccggcgcc  
300801 cgcgcggcgc aggcacaggc gcagacatca cgaatgaact tgttgaatt  
300851 gttgagcgtc aattaacctc ggtttggcgc taccatagcg acccgctaac  
300901 ccttttcgca gtcatacgtt agcgggtggc tcatacaggt agcggtgggt  
300951 cggcggcgtc ttgaaaccc ttgaaaccc cccactctcc gcaagttaac  
301001 cgggtgtggc acttaccgca aatgcagcag ccaatctccc ggcagtgctc  
301051 atgcactctc cgcgcacagg ttccagacgg gtcttcagcc ctagagcttc  
301101 gcgaacggc atgactttct tcaacgttaa aggcctcacg cgcagttac  
301151 gatgcggcgg tgcgttgaga cgaactggca tctggtgttc gtttgcggtc  
301201 tccagaagtt tgttgatcag tgccacaacc gcttcggggg ttttgcggat  
301251 cagggccatg ggcggggggc gagctactgc caggctttgc tgcgacatcc  
301301 cgcgaatgtt atctgctcgt cgaacgcagc tgtcacgtct tcatgagga  
301351 ggcacaagct cgttttaagg tcgacccggc ttgtgcggtc gttgttccag  
301401 atgcggcgaa aatcttgggc cagcgtggcg atccgtttct cgaatgcggc  
301451 gtccggcgtc gctggcttcg tctcgtttgc accgttatgt tgcggcgtga  
301501 gctgactcag ttgcactcag ttgcactcag atgactggcc ggcgtgcgga  
301551 gcacaacagg ggttctgggg atcgaccttc agatagcggc agcgcgagcg  
301601 ttcagctcca taccggggcg gctgttaact ctgtgcggcg agcgaccttc  
301651 cttgttgac accgtttgag atctctctcc gccacggcag cgcggccttc  
301701 atcgcgctcg gtgcactttg cttcgagcag caacggcgtc accgcttcat  
301751 cgaatcgctg tctctttgac cattggcagg ccttgccggc gctggcgcat  
301801 accgctcgtc tgcagatgta atagggcaga aggttgccct gcaactgttc  
301851 ataattgacc cgcactgggg cgcgcgagc accgcacaaa actcttcttc  
301901 gcaataagcc gttgccttga cgaagctgat gccccggcag gcccgaggaa  
301951 aacgcggcgc gactgttttc ggaacttgtt gcttgcgttc gcaactcgtc  
302001 accagagatg tagcttccat gcgctcagc gatgagacc tgcacgttc  
302051 accctggcat cttctgctgt accgaactta gcttggcatt tgtagctgt  
302101 cgtgtgcgtc cgtatcgcaa agcaccagcg tatcgtggat tgtgcaaat  
302151 ctggatcagc cgaagatggt cgaatctggt ccaacgggag tgcgccttgc  
302201 cgaatcgcg cagagatacg cggggaacaa ggtattcttc gctgcggcgg  
302251 cggcgacaga ccgcacaggc tgagccaccc tccgggaagg tatcgaaagc  
302301 catcggcacc gttctcggga tctgggcgtc cgaatcgaga accacggcca  
302351 tatcaggcgt gtagaccagt cgaatcgcca accgttaact gagctgcgca  
302401 cgaacgcgtc tgttgaagat gcgcgcttgc agtgcagact cgaatgagt  
302451 gactgcgttc cactctgctc tgccttcag cgcagcagc atcagatgt  
302501 tgaacggcgc ggcgtcgtta accgactatc cgtcactgat ggcgtgcgga  
302551 gacatggcgg ccagtccagc aagcgatgc cagtcaagat tgttcggcgt  
302601 caggcgagat acctccagcc ccagcagcat cctcgcgtgc cccatcgcca  
302651 cctcgcgtcc caagcgtgca aatcatcgc ggtcctgga ctgtgcggcg  
302701 gaaaggcgga gttcgtttgc gatgactggt accgcgtcaa tggccacccg  
302751 cagagccacc gcggggtccc gtaactgata ttgtcgttc gtgctctcgg  
302801 tgttctcgaa caactgaga agggaggatt ggcggagta gagaatgca  
302851 tcggcgccga ggtgatggc gctaatttc atggcattat cagtgaact  
302901 gggttctcgt cctcgtgcgc agcaactatc ttgcagagat gtcgcagcga  
302951 tggcggcgtc gtcgacatct tgaagtttgc ttgacggag ggcgtgact  
303001 cgtgcgtcgt atgcggatc cgtgtggc gatcagca ccaagggcga  
303051 gccacagttc gtagaagcgc atggcgccca tgcgcgtcgc gaaaggcgtg  
303101 ccgcaaatca catcggcgcg ggcgcttgc taacatctt ttcgcgttc  
303151 tgacatggcg attgcgtggg tgcgtcttc atgtttttt tttcggcgcc  
303201 accgcgctt cgaatcgtgc aggtatgga ctgatgcca gctcgaatc  
303251 caccaggtcc gccagagaa ggcgcgtcag ttggcgttcc ggcgcgagat  
303301 gctcctcgac gagaagcatc actcggcag taagtgtgt ggtggaatc  
303351 ggcgccaggg tgcggggcaa gaggccggac atgcacatc gctcgaagc  
303401 ggcctcgcgt tgatagtagc tctgcggaga aagcccaaa agcggcgccg  
303451 caccgcgttc gctgtgagc tctgcgggg cgtgcggcga cactctatc  
303501 ttaactcgga cgaactcgga cgaactcgga aacactgttc cccgagatc  
303551 gggcgcgggc agcgtcggc gcttgggggt cagagagccc atgtgcgca  
303601 ggcgatgggg cttgcttttc ttggtcatgg ggcgtccttc gttgaagta  
303651 aatatggcg cacttggcgc gccactcaat taatatat cgtcaatc  
303701 gcgatacgc atgcatcaca ggggttcaat ccttggttt atgataaag  
303751 acatgtaac ccgggcataa ttgccttacc atgtgcggc tagtttact

303801 gacgcttcgt cactcttctt gacggcgctt aatgogatgc atcaacgacg  
303851 ccagcgcgca cagatcgctt gggcgggaga aggcagcgac tgcagcaacg  
303901 tgcaggaaca agtgcggctc attaacatgc gtccacgagc cggcgagoga  
303951 acgcaagcgt ccttgagcgt cgtaaacatc gacggcgctt tggcccgact  
304001 tctgttttgt tgcgcgcgcg acgaagcgac tgcgcgcgcg tgcgcgcgcg  
304051 ggggtgtgga cctgcgaact cctgcgaact agaacgcgcg ggcgtttgcg  
304101 agtcctggac ttgaagaagc gggagcgcgt agaacgcgcg ggcgtttgcg  
304151 cagagctgca ttctggagc cctgcgcgac cagacctctt tctgcgtcgt  
304201 cgaagctaat gccgcgagtc cggagggcgt cgcgcgcgac aacgctcgtg  
304251 tcatgcgcgc gctcggcgct agcgcgcgcg acctcttoga gcggttcgaa  
304301 cgcgcgcgac tgcgaagcct gccgcgcgaa gactacgagt tgcgcgaaat  
304351 ggcgttggtg cgggtctoga cggattacca tgtgcagtcg aagagctctt  
304401 tctattccgt cccgcgctgc cctatccgcg agcaaaagcg cgttgaaagc  
304451 tgcgtcgata agcgcccttt acgaagagtg atgcatacgc cgttgaaagc  
304501 cgcgcgcgac cgcgcgcgac gtcgcgcgac gtcgcgcgac gtcgcgcgac  
304551 cgcgcgcgac atttcgcgcg cccctcgcgt aagtggtcgt ccttcgcgga  
304601 tgaatgcgca tctcagacgc tgcctctcta ctcgcgcgct cttgtccttg  
304651 gtgattgaac ttctccaagc ggcctcgcgt ttaccaata ttactcaact  
304701 gtggggtcga tggcggttga atgcgtcgtg ggggtcgcgt aagccatcgt  
304801 acatggagcg agggaggaag cgggttcgag ggcgcgcgaa tgcctacga  
304851 agggagagat atgaacgcgc gtacatccac cgcgtgggtg cgggttttgc  
304901 cgttcctcgc ctcagcgcgc accgcgcgac tgcgcgaaga tgcgtgcgcg  
304951 tgcgtccgca aaactcttct gggcggaagc atccgagcgc tgcgttcgac  
305001 cgggttcgca ttgcgaagca tgcgtcgcgt cagcgcgcgc ttcacgcgagc  
305051 cgcgcgcgac tgcgttcgca tgcgttcgca tgcgttcgca tgcgttcgca  
305101 cagagagctga tctcgcgact aacacgcggt cggcggtctt tgcgcgcgct  
305151 caacttcgca tctcgcgact aactcgcgt cgcgcgcgct cgcgcgcgct  
305201 ttgcgaatat tccgaaggaa attcaggggt cgcgcgcgct cgcgcgttgc  
305251 gactatccgc aacgagcact cgaatctcgc ggcgcgcaaa caacacgagc  
305301 catcggtctg cgcgcgcgct cgcgttcgca gctgttcgct tgcgaacagg  
305351 aggcctacaa ggcgcgcggt ttggtatcgc agcgcgcgac gaagagcgtg  
305401 gacgaagctg tgcgcgcggt cgcgcgcgct gtcgcgcgac gccatcttgc  
305451 ctacgcgctg cgcgcgcgca aggcgcttca aacgacgctg ccttgatgta  
305501 tgcgttcgca gtcgcgcggt ggcgaatat tgcgttcgct cgcgcgcgctg  
305551 accttcgca ggcgcgcggt cgcgcgcgct atgaatctc ggcgcgcgca  
305601 gtcgcgcgct cgcgcgcgct cgcgcgcgct ggcgcgcgct ggcgcgcgct  
305651 tgcgcgcgct cgcgcgcgct gtcgcgcgct cgcgcgcgct gtcgcgcgct  
305701 ggcgcgcgct gtcgcgcgct cgcgcgcgct cgcgcgcgct gtcgcgcgct  
305751 aatcggttcg tgcgcgcgct cgcgcgcgct cgcgcgcgct gtcgcgcgct  
305801 tgcgcgcgca cgcgcgcgct cgcgcgcgct cgcgcgcgct gtcgcgcgct  
305851 gctgcgcgca catctcgcgc catcgttcgc cgcgcgcgct tctgttcggt  
305901 ggcgcgcgca cgcgcgcgct cgcgcgcgct cgcgcgcgct cgcgcgcgct  
305951 ctcgcgcgac accgcgcgct ctcgcgcgct tgcgcgcgca cgcgcgcgca  
306001 tctcgcgcga tcaaggagc ggcgcgcgct cactatgta tctatgata  
306051 gtcgcgcgca cgcgcgcgct gtcgcgcgct cgcgcgcgca cgcgcgcgca  
306101 tctcgcgcga cgcgcgcgct tctcgcgcga ggcgcgcgca cactatcga  
306151 accgcgcgct cgcgcgcgct ggcgcgcgca gtcgcgcgct gtcgcgcgct  
306201 ccttaccgac ggcgaatctg cagatagttt accgcgcgct cactatcga  
306251 acagtccac ggcgcgcgct ggcgcgcgct cgcgcgcgct cactatcga  
306301 cgcgcgcgct gtcgcgcgct cgcgcgcgct gtcgcgcgct cactatcga  
306351 tgcgcgcgct cgcgcgcgct cgcgcgcgct cactatcga cactatcga  
306401 tctcgcgct ttcgcgcgca cgcgcgcgct tctcgcgct tctcgcgct  
306451 tgcgcgcgct tgcgcgcgca cgcgcgcgct ggcgcgcgct cgcgcgcgct  
306501 tgcgcgcgct cgcgcgcgct ggcgcgcgct ggcgcgcgct cgcgcgcgct  
306551 gtcgcgcgct cgcgcgcgct ggcgcgcgct ggcgcgcgct cgcgcgcgct  
306601 ggcgcgcgct cgcgcgcgct ggcgcgcgct ggcgcgcgct cgcgcgcgct  
306651 accgcgcgct tgcgcgcgct accgcgcgct accgcgcgct tgcgcgcgct  
306701 cgcgcgcgct atgcgcgct tgcgcgcgct ggcgcgcgct tgcgcgcgct  
306751 cgcgcgcgct atgcgcgct tgcgcgcgct ggcgcgcgct tgcgcgcgct  
306801 tctcgcgct ggcgcgcgct cgcgcgcgct cgcgcgcgct ggcgcgcgct  
306851 cgcgcgcgct ggcgcgcgct ggcgcgcgct tgcgcgcgct ggcgcgcgct  
306901 gctcgcgct cactatcga tgcgcgcgct ggcgcgcgct attatcgcgct  
306951 tctcgcgca ctcgcgcgca atctcgcgct tgcgcgcgct tgcgcgcgct  
307001 aatgcgcga cgcgcgcgct cgcgcgcgct tgcgcgcgct gtcgcgcgct  
307051 ctcgcgcgct ggcgcgcgca cgcgcgcgct ggcgcgcgct gtcgcgcgct  
307101 tctcgcgct cgcgcgcgct cgcgcgcgct ggcgcgcgct cgcgcgcgct  
307151 gtcgcgcgct cgcgcgcgct ggcgcgcgct ggcgcgcgct cgcgcgcgct  
307201 cgcgcgcgct cgcgcgcgct tgcgcgcgct tgcgcgcgct gtcgcgcgct  
307251 tctcgcgct gtcgcgcgct cgcgcgcgct cgcgcgcgct tgcgcgcgct  
307301 ggcgcgcgct cgcgcgcgct ggcgcgcgct tgcgcgcgct ggcgcgcgct  
307351 cgcgcgcgct aagcgcgct tgcgcgcgct cgcgcgcgct aactatcga  
307401 tcaacgcgct ggcgcgcgct atgcgcgct tgcgcgcgct ggcgcgcgct  
307451 tgcgcgcgct cgcgcgcgct cgcgcgcgct tgcgcgcgct tcaacgcgct  
307501 tctcgcgct cgcgcgcgct cgcgcgcgct cgcgcgcgct attatcgcgct  
307551 ggcgcgcgct cgcgcgcgct ggcgcgcgct tcaacgcgct cgcgcgcgct

093994.082701

307601 caggcgctga tcatcatcaa tctggcgctg aacattccct tocgatctcg  
 307651 gctgatcgga agctctctca tggaggttga tocgagctct cggcaggcgct  
 307701 cgaattcgga cggcttcgag gaatggtagg tottccacaa gatcatgatg  
 307751 cggctggctg ttggcgggat gctggggacc gcggcgcttg tgctatcgg  
 307801 ggtgtggagc gaattctcat ttgctctcat cctgcacacc tocgtagcgc  
 307851 cgacgggcacc ttggcgctg ctggcgttta gaacccagta cggcgctcgg  
 307901 tgggacgctg tgggtctgct ggcgttccct gttgcagcgc cggctcatcg  
 307951 cttgcgcttc ataatgcgac gctacctggt gcaaggcctg accatgggct  
 308001 cggtaagtg acagggcatgg ttggtacaat tottgcgaga aaggccggcg  
 308051 agaataagc tgatgtaact atccgcaatg toaccaaagc ctatggcgct  
 308101 ctgacccgtca tccctcagct ttggttcagg atcgaggagc gggagtttgt  
 308151 cgtgctgctc ggcacgtctg gctggcgcaa gtccacgctt ctcgcgctgc  
 308201 tggcggaact gtagagctga tccggcgctg acctctcgta gggagcgacg  
 308251 gtaatacagc tgcgcgcgcc caaggcgacc gaactgggaa tgccttcca  
 308301 gaactatgag ctataccgcc acatgacagt cggcgaaaac atgggcttg  
 308351 cggcgaacct gcgcacaagg ccggcgggccg agatcgatga accgctcgac  
 308401 aaggcgggcg cgatccctgg gctcggcgag ttgctggatc gttatcccg  
 308451 cggcgtttcc ggtggccagg gacagcgctg cgcgatgggc cgtgcgatc  
 308501 tggcgccacc gcaggtcttc ctgttcgagc agcggctgtc caatctgat  
 308551 gccaaagtaa ggttcagagt cgggcgcgag atcaaggcgc ttcccaaag  
 308601 gctgaagata actacgctct acgtgacgca cgcaccaata gaagccatga  
 308651 ccatggctga caagatgta gtcataaag agggcgggtt togtctctg  
 308701 ggccttcgca tgcgaactta cgcacggccc gccaatatct gctcgtcgga  
 308751 cttatcggga tgcgttga agcgcgagag gctgggggct gctgcgga  
 308801 cggacggccc tcttctgaag acgtcgggag gtacactatg ccatctgct  
 308851 ggtggtcoga cgttaccggc acgctcggag ctccgtagc gtcgtggtg  
 308901 gggagcaact cagctcggcg agacgggtat toctgcagag gtcgtggtg  
 308951 tggagcgagc ggggtccgaa acacagctct atgtccaggt cggagggg  
 309001 gaagctgctg ctgtctcgag ggcacgggtc gacgtggcg cggcggaata  
 309051 aatctggcta acaccaaagg agggctgggc ccaactcttc gaaccgaa  
 309101 cggcgccagc gatcgggggc tggatggccc ctacgtctcc cgtccgagga  
 309151 tctgggaagt gaacacgccc gagggaagtc tcatggcaca cgtccgagga  
 309201 ctcggcgagg atggcgctgt tggctgcgct tgcgcgctgc cgaactgtc  
 309251 cggcgatctc cggcttctgc gatcggggtc cgaagagat tcatctggg  
 309301 agcgtgctga agccttggc gatcggggtc ggcggcatt toctcgtga  
 309351 ggtcagccgc tagcgaagt cctcggaggt ggcggcatt toctcgtga  
 309401 togtctgac gctcgggaag ttgacactc tgtggcagcc cggcgtctg  
 309451 agggctttga ggtatgcag gttggcgggc aaaggatcaa ggcgcacac  
 309501 gcccgcaaaa acctggctct cgtcacaac gcccttcggc agctcggaca  
 309551 agagacgttc gttggctgca tggatgggga gcagcaacc gcttcgatc  
 309601 ggcgtgccac ccaatccctc gcaggaagtc caacaagcg tcatggatt  
 309651 tagatgatc cgggaaggg cggcgagtc cgtcacgac tgaattggg  
 309701 gaagtgatg gggagagtc attgttacc cgaagaaagt ttacccaatt  
 309751 ctacccaat cggcgatctc agccaattga tttgctgty cggcgcaata  
 309801 cggcttcttt gaggggga gaacccgctg aggaagggc ggggggga  
 309851 agatgaatac agtttatgtg gtccggacct gcatcccaa acgctgtct  
 309901 ctgcgctatc tocgcgatct tatccggcaa gaaaggtgtg acgctgtct  
 309951 ggtgcaggt tocgctcggc agttccacag ccaagctgag gatgtcag  
 110001 ttacgcgctc gggagtcgag cgttccatc cgaacccggc gaagccggag  
 110051 gatctcaagg accggcgcaa ggtgtcggc gccatgggc aagccctggt  
 110101 ggaatttacc cgttcacgac cggagctga cggcatatt gttcggcg  
 110151 gtacggcgga tacggcgctg atcgctcgt cctcggggca cgtgcgact  
 110201 ggcacccgga aggtgctgct ttccacgct gccacagga atgcgcgcc  
 110251 ctatgtcgag ccgaagata tcaagatgt gtaactggtc accggagct  
 110301 cggggttaa cagatctctc cgtgtcttc tgcgaaggc cggcgagct  
 110351 gtcacggga tggcttcaa caaggttag gcgcgcagg ccagagtag  
 110401 ggcacatggc ctgcagatg tctggttacc gaccctttgc gtcacggg  
 110451 tcacccgtga gttggaggca gaactcgact gcttggtgt toatgcac  
 110501 ggaacccggc gccagctctc cgaagagctc gcgatctcc cctgcttgt  
 110551 cggcgggatt gatgttcca cgaaggaggt ctgcgact ctggtcgct  
 110601 ggtcttccac ctgtacggcc gatcgcttc gctgcttcgc cgggacaga  
 110651 ctgcctatg tggctcgtg cggtcgctc gaactggta atttcgggc  
 110701 gatggacaca gtcgccagcc gatttgcct cgcggagtg catgtccaa  
 110751 atcccgatc cagctgagc cgcgcagcc ctcaggagtt ccacaggtt  
 110801 ggcgaatgga tccgggaagg gctgaactc cgttcgggga cggctcgt  
 110851 cctgatccgc gagctgggtg tctcggcat cgtcggccc gttcagcct  
 110901 tccacgaccc tgaagagat agcgctctt tccgagcgt cgaagcgacc  
 110951 cttgcgggga cgaaccaagc gcaactcacc cgggttcccc ttccactaa  
 111001 tgatccgcaa ttgcgggaac tcttctgac caactcaca aggcctctc  
 111051 gtgagcactg atactctgt caagcgtccc actgctctg agttgatga  
 111101 cggtttccat agtaagatcc gcggcgggga gcgatcacc ggcggcggt  
 111151 cggcgcgagc cctttcgccc aagagcagg aagcgggga tatcgatga  
 111201 atctgagatc caactccgg cgtgatagc atggcgggc gggcgtcgt  
 111251 cgtcgatg ctgcgtcag gctgaactc cgaactggta gtcgagct  
 111301 cggcgaggt tctcggctc gtcacagaca cggcggtgt tgcggtgtc  
 111351 aaggcagcg atcgttgt cgtcatgag accttctgc ggaactgaa

00939994-082701

311401 ggagattggt tttgcggggt tgcagaactt ccggacggtt ggttattatg  
 311451 acggggtttt ccgtcagaac ctgcagaaga ccggcatgag ctatgcccaa  
 311501 gaggttcgga tgatcgtgga gggcacaaac ctgcattccc tgaacggccc  
 311551 ttacgtgttc ggccgggatg atgcgctggc gatggcgag ccgctgtccg  
 311601 attattcgtt ctgcacatgt gggctgacga ccggttggag gattggcgcc  
 311651 caatcagggca aaacgatgga ggaatgcgtc gccctatcca accagtgat  
 311701 caagcgctgg ggggaatttc gcgcgcagct catatccctt tgcattggat  
 311751 gcccgatttg caatctggag gacgcggcgt taattctctg ccgctgcctc  
 311801 ggttcgcacg gtttctatgg ccgcacagag atggagcggtc tgcgcacgca  
 311851 agaggcgatc aagtgcaga cgtctgcctt caaaggatc cgtgcgaagc  
 311901 cggcctgacc gtgcagaagg aaagcaagca gatgaccatc ttctgaagt  
 311951 gacaccagcc gccgggttgg tgcgaactca ccgacttoga gttcgttgac  
 312001 ttgcgcgac accccttgcc gattccggtt gccgcgcgaa agcaacgtct  
 312051 gctcgtcacg agcgcatcgt gctcgtgag gagcgcgag ggagcgcgac  
 312101 ttctgagtga aggcacgttc ctgcacatgg atggggccaa tggctccctc  
 312151 accgcggatg ccggagaagg ggccgcacaa tctcgtgtt ttatgtgcag  
 312201 atggggccac gaactcggcg gatgcggggt gttcaagctc ggccgcgaca  
 312251 ccgcggttcc attcacgga ctgcacgaa tactgggtta ctatcgaggg  
 312301 ttgcattcgg gtcgtcgtcg gctcacgag cttcgaagtt gaagtcggcg  
 312351 ggccgggagc gtgcgtcgtg gctcacgac atgatcttc cgaagtggtg  
 312401 attcgtctgc catcgcatg ggccacatc atgatcttc cgaagtggtg  
 312451 tccgacgtga agggcgata ttctgagag ccgtcgaag gcaggaagcc  
 312501 ctttgggtcat ctttgggag acacgcatgg gctcgcgat gttcgtcccg  
 312551 agcgggtttg atccgttcgg tgcgcgaagt cctgcctaac tggaggtgaa  
 312601 catcaatgac gtataagttc ctgcacatgg ccgcggcggtc ttctggagag  
 312651 cgttgggtcg acacgttctt gccgcagac atggggcgag ggccgatoga  
 312701 ggttgcgtcg ctctgggaca tgcagtccaa agcgcctgat atcgcccgca  
 312751 agcatctcgg tgcgaaggcc gaacagtggt tccacggggc gcgcaaaagcc  
 312801 tccacgagc cgttcgagca ctttgcagca atgtccatc ccgagctct  
 312851 gacagagggg atgctcgtcg tgcctcgtg gccgcgttgc caatcctgat  
 312901 ccgagaagcc gatcccgac accatggagg cctcgtctcg tatcgttgag  
 312951 aaagtgaagg agtcgcgtt aaacatgggg gtcgaagtga gccaccggtt  
 313001 cgatcaggac aagtgcagcc tgaaggcgct cgtcgttcgc gagcccatcg  
 313051 gcgctgtcaa tacggtatcg tctcgtgtt ccggagactt ccgctctat  
 313101 gatctcctgg ggccgtttcg ccacgaagt atgcatacga tgcatttcga  
 313151 gggcgtctgc catcacctgg atatcatgg cgcattcggc ggccgcacct  
 313201 gcaagtcgat ctatgcgcgc acgtggaag ccgaatggca agattacaac  
 313251 ggccgcacag atcccgact ttctgaggcg ttctggaaag gcgcctcatg  
 313301 tccagagcgt ggtcttcagg caacagccaa gggttcgtac gattgggtt  
 313351 tgcattatgt tccgttgagg gggaagagc aggccttat ccgctccat  
 313401 cgtgagatcg aggtattcca ccgttaacc atgcggcttc gacagagggg  
 313451 ccggcaagga aaaggtcagc aagtgtcgtc gctaccggcg aggaagtggc  
 313501 agaagccctt gttgacagc caattttctc aatgctcga cagcgcccg  
 313551 ccgattggcaa ccaacgtttg ggaaatctg cagctgtgtt cgtcgtatt  
 313601 ctacagcgtc gaagcgctcc ggttcggtca accggtgaa gtcaggaat  
 313651 tctcctcagtc ctacccagtg ggggcttoga tagagtaag ataatgctga  
 313701 ggttagcctc acaatggct atccgatgt ccatcctggg gttcatcgtc  
 313751 cgaattcttc cgtctccctc cccgcggagc cggagattat ccgcacactc  
 313801 agggcccgct ttgcgaagcc aaacacgact ctctgttttg ctgcgacggg  
 313851 cccggaagga cgtcccgcaa cagctcgtc ggccggagc gactttatcc  
 313901 ttgcctgaa tgcggagcgt ttgcgtaga tggggccccc tctatcttt  
 313951 tctcgtctcg cattgcgaa gagcaacgac ttgtctcgg atttcgta  
 314001 atcagagatt ctgcctttcg ttaagttcc agtcttttc ggcccgagtg  
 314051 ctttgatccc ccggtgttg atagaagct aactggaaag aattcggtat  
 314101 gctggttttg ggcgaattgt aaactccccc acctcaattt tctcgtatg  
 314151 acggttttga ccgatatcg agggagcag gctgggttc cagctgagc  
 314201 ttgaatgct tggggcgct cagaaagaa atatgggac ctgcgtcat  
 314251 gttgcgaactg tggccgaggg ctacagggcg ggcagccgag cgttgacat  
 314301 catcaatctc aatctcggct ggaaagtcgg agggactctc ggaagcgga  
 314351 ccagctgctc ctgcagcga ccgctcgact atgcgaagat catttcctc  
 314401 ccgatacggc ccatctcggg gttctcgtt tgtctcctcg agggcgcc  
 314451 catcgtcagc ccgcacacaa tgcacaggt atccgcactg tccaaagggc  
 314501 accgatcat cggcgctctc accatcgtat ggggtcctct cgaagcctcg  
 314551 atggagcaga ttacatcggc ttccaactc gtcggcaact tgcanaagcg  
 314601 aattgatgaa ctggagccc agctcagaga tctgcagggc gaactcga  
 314651 tctgtgttgc gtcaccttgc atccagcaa tcaagcaagc tatcgaaag  
 314701 ctctgcgtt ctagtctccc ggtctatgatt accggacaag ccggaacggc  
 314751 caaaaaactt ctggcagggg gttatcatga agctgcaga cgttcggca  
 314801 gcaagctcat cagctcagaa gacgcagga ggaatcgct ttttggctc  
 314851 gcccgagcgg agggcgagag gaagtgctt ggcctacccc aaacatccc  
 314901 caagcgctgc cgtcgtcagc agagcgagc atgcgtgac gctcgtcgtc  
 314951 aggaacgtct catcaagtc atccagcga gcgttatcg gcgctcggtc  
 315001 gacacggaga gagggcggtt cgaagccgag ctgactcctg catcgagcg  
 315051 gcgcttctc aggttgggtt cgaaggggga gctgatact gctcttgagt  
 315101 cgcgtctcgc gccgggtcac gttctcttc cccctctatg cgtatcgtc  
 315151 gaagtatctc caactctaga ctacaacttc ctacaagccg tccgaagga

09939667-082701

```

315201  tctgtctagc  cggagcgtgt  cgttgagcca  ctgcgcctat  cagttcttga
315251  tgacctatgg  ctggccacga  aatattctgc  agctcagatc  cgtctctgaa
315301  accggccgca  tccgtctgga  aggcactggt  atcaagtccg  agcatctcga
315351  cgcgcctcgt  gacgcgaacg  cggacgcgdc  gcatacgcct  cggggggaaq
315401  agcggggaat  gatctcgtgt  cgccttcaga  gccatcgggt  togcgcgggt
315451  gaagccgcgc  gatattctgg  gatattctga  agaacccatc  caacacaaat
315501  cggaggttac  ggtctccgtt  tgcagccaag  gactgcagcg  cgcgcgcgca
315551  cgcgaataac  ctccagtgat  cccgcgggtt  cagcccggtt  attggggtcg  cggaggtatg
315601  accgacgcag  agtcacacga  agtcgcagcg  tggggagcga  cagcatctgt  cactaaagcg
315651  ggggccttaa  ggtcacacga  tttccagcag  agcgggtgtg  caaacccgtc  ccaacccgtc
315701  aaagagacgc  tctgcgcgac  tttccagcag  agcgggtgtg  caaacccgtc  ccaacccgtc
315751  cggggggaat  tgaagcgcgc  cgggggaagt  gtgctaaagc  ctccggttga  cctgggtatg
315801  agtcgcgtgc  cggcttttgc  ctgcgaagaa  gtgctaaagc  ctccggttga  cctgggtatg
315851  atgtctaggg  aaagggcttc  gttatttgat  accccttcct  ccaggttacg  cgggttacg
315901  agtcctcttc  cgttgacgtt  caatagcctc  ggcgcgcgac  gcttaggggt  cgcgcgcgac
315951  caaacaggcc  atccaatcca  attcgcggct  cctgatgtgc  cgcgcgcgac  gcttaggggt
316001  ctctgtgacg  aggcggggtc  agcgcgcgac  gcttaggggt  cgcgcgcgac  gcttaggggt
316051  agtgcatttc  cactgcagtc  ccagcgcgac  cctgcgcgac  tctctcttga  gtaaggtaac
316101  tctgttcgca  gcaaatattg  cggaggtatg  cattttttat  gtaaggtaac  ggcgcgcgac
316151  gctaaaggtt  gctaaaggtt  cgtgttgtaa  tgtgttgtaa  ggcgcgcgac  ggcgcgcgac
316201  agcgcgcgac  caaacgggat  ctcaaggtgt  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac
316251  gactgtccaa  aggaagtgt  cgcgcctctc  actgcgcgac  ggcgcgcgac  ggcgcgcgac
316301  tggatggcag  ggtgtgcggt  taacgggcat  ctggtataga  catgggtctc  catgggtctc
316351  tgtctatgca  gacgcagctt  ctgcgcgctc  cggagggcgc  ctgaggtctc  ctgaggtctc
316401  gactctcttc  cgcctctctc  gacggatctg  gacaaattgg  ctctggtctc  ctctggtctc
316451  cgtatctgat  ggtactttgc  ttgactctgc  cgaacgcgac  gacgcgcgac  gacgcgcgac
316501  cgcctcgcgc  ttgcctgcgc  gacaggtctg  atcactgttc  gaaacaaatc  gaaacaaatc
316551  ggcgcgcgct  tggcactctg  gacgcgcgac  ggcgcgcgac  atgcgcgcac  atgcgcgcac
316601  gcttttttgc  cggggcaatt  tctccattgc  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
316651  ggcgcgcgct  ggttttttgc  ggttttttgc  ggttttttgc  ggttttttgc  ggttttttgc
316701  ggcgcgcgct  ggttttttgc  ggttttttgc  ggttttttgc  ggttttttgc  ggttttttgc
316751  ggcgcgcgct  ggttttttgc  ggttttttgc  ggttttttgc  ggttttttgc  ggttttttgc
316801  cggatagaca  actgcgaact  gacaggtctg  tggaggtggc  gttggtctgc  gttggtctgc
316851  ggcgcgcgac  actgcgcgac  ccagcgcgac  agagtgtgtc  gttggtctgc  gttggtctgc
316901  tccagcgcac  gccaacaaag  ggcgcgcgac  tgggcgcgac  ctgcgcgcac  ctgcgcgcac
316951  cgcctcttgc  cgcgcgcgac  ggcgcgcgac  tgggcgcgac  ctgcgcgcac  ctgcgcgcac
317001  gaagcgcgct  ttgcgcgctc  caacgcgcgc  cgcgcgcgac  cgcgcgcgac  cgcgcgcgac
317051  cgcgcgcgct  gtcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317101  aggcgcgcgc  cgcgcgcgac  ggcgcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac
317151  cgcgcgcgac  ttctctctgc  gaagcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac
317201  ttctctctgc  ttctctctgc  ttctctctgc  ttctctctgc  ttctctctgc  ttctctctgc
317251  ggcgcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317301  cactatggat  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317351  cgcgcgcgac  actgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317401  accgatacgc  agctagagga  atactaccac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317451  ctgggcgact  tgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317501  aaatggcgcg  gttatttgcg  gtcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317551  cgcgcgcgac  aaacgcgcgc  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317601  tgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317651  tgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317701  gtcgcgcgac  agctatgcgc  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317751  tgcgcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317801  ggcgcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317851  ttcacagggc  ggcgcgcgac  aatgcgcgc  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317901  attgcgcgaa  aggcgcgcgc  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
317951  ggcgcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318001  aagggcgcgc  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318051  tccgcgcgac  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318101  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318151  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318201  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318251  tgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318301  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318351  tctctctctc  ttgcgcgcgc  ctgcgcgcgc  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318401  tctctctctc  ttgcgcgcgc  ctgcgcgcgc  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318451  agctgcgcgc  tgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318501  attgcgcgaa  cgcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318551  tgcgcgcgac  attgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318601  tgcgcgcgac  attgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318651  agcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318701  accgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318751  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318801  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318851  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318901  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac
318951  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac  ggcgcgcgac

```

09939964-082701

319001 tgatecagcgc gtgcgtcagtg gtatcgtcta tgtgatccgc aatgggtotgc  
 319051 agtgggaaggc tgcacccctgc cagtatggggc cacataagac gctctacaac  
 319101 cgtctcattc gctgggagccc ggcctgggtgt gtttgacagc attctotgcg  
 319151 cttctgcggg cgaaggccccc caacccgtgagc gcatcatgat cgcagccaaac  
 319201 catctcgagc cgcacccggac tggggcgaagc cttctaaaaa agggggatggt  
 319251 ccgcctgcagc tcggggccgac caaggggcgca ctgcaactcga agctccatgc  
 319301 cgtctgcgac gaggagccggc ggcgcctatc cagtttgctc tcgtaaaagcc  
 319351 agatgagcga ccaacagggc cgcggcgtgc tgctcaacgc gttgcctaaa  
 319401 gccgattgccc tcatcgccga taaggggctac gacagcaact ggttccagga  
 319451 agagctctcc gcaaggggcga tgcagccctg catcccgctcc tcctaaagcc  
 319501 ggaagaaacc gtcacgtctac gacaagaacc tctatcgtgc cagacacaag  
 319551 gtgcgagaacc ttttcgccaa gctcaaggat tggaggcgca tcgcaaacgc  
 319601 ctatgcagca tgtgcccaca ccttctcttc tgcacatctg atcgcagctt  
 319651 gtcctcatctt ctggcgtgtga ttaacgagtc ctcgacccgc ctcaggtgccc  
 319701 gtcctgctctt ttcccagacc caaaggcggc gccagctcgg aacgcttttg  
 319751 agcatagctt gacgaacccc aggggtaatc tagcaacacg gtctgcctc  
 319801 ctcgattattg ctccggcgctg gtcctccagg catatgatga agtctcggt  
 319851 agcgattttga attttttacc gtcctccagg ctgttcttgc accgcaagcc  
 319901 cactgacttc tggatcggga cggcgccggc ctgttcttgc accgcaagcc  
 319951 cctcagcctt gtctgcctga gaggtgctgc atagcgagag atacgtctgc  
 320001 tgaataagac tggccagatc gggcgccagg acgatattgc ggtcaggta  
 320051 ggcgcagaca acccggtgtg tcagctcaag attcggttgc ccgtgggta  
 320101 accgcggttg gttcaatggt cttctctctc attctcgtc acttagatcc  
 320151 gtccgcgcga tttgcagata tttcgggtgc aaggaaagcc gacaggagga  
 320201 ggttattttt ttgcggagag tttttttttt tgaagcgttc gtttcaagcc  
 320251 gttctgattt ctgcgttag caggcgctgc ctccgaacct gaaacccagc  
 320301 cggcaaacgc cgaataaccc ggttttttgc gttctcgtat gttctcgtat  
 320351 agctcaggcc gacgtcgtgc ggtcgtatcc gtttttttgc gttctcgtat  
 320401 gatcaggggc accctcacag tcacccagat cctatccgcc tccagacacc  
 320451 atctgtgcgg attccggaga aagccgccc cgcattccga aatcattccg  
 320501 ccccccatt ccgagatta gtcccccctt gattccgaga tgcgtccgccc  
 320551 cctgaaagc ggtgtgttgt cggggtgtcc tgcgtgtgat ccaacaggcc  
 320601 ggtgatcatg accgatgcgc ccatctgcgg agtcgatgag acatgatctt  
 320651 ccaagcgtgc tgcagcagct tgttccatgc ggcgcagcaa tgggtgagca  
 320701 tgcctgcgta gtcctttgaag atacggttgc agagccagct gtcgcgcatg  
 320751 cgttttttgc cgttttttgc tgggttgagt tccggttagc gtcggggagc  
 320801 gactcacag gacacacact cgcacacact agttttgcgc gtcacgtgccc  
 320851 atccggcgtg atcgagagat agcaacggca agcaacggcc atcgagagcc  
 320901 cggcgagatc cggcgaggtg ctccgtgatg gcttcgtgat ggcgaatagg  
 320951 caggacacag cccgcgcctt ttcccttccc cggcgagagc gcccccgaga  
 321001 tgtaggccca catatgtgga cggctccccc ttgcgaagtgt tttctcgaga  
 321051 tatttttgac cggatgcttt gcttccatat gtgcggcctt ttggtgtggt  
 321101 cgcacatgac cactggccaa gatgattcc gcaacgcta ttcctaaact  
 321151 ggtctcgacc tttagcggtc agtgggccta adggagtttc accgctcttg  
 321201 gatcgtcga agcatctatc tgcctatcgc ttgcgaagtc gacattttat  
 321251 gatgcttgcg ctgtgcttc tgcctggga tatgactgc cgtctgttat  
 321301 aagtttccac gcaatccggc caagcttgc cggcgagctt accgcaacca  
 321401 actttggcct tttccgctgc agcagcccca taagccatgc agagcgctgc  
 321451 ctgctggcgc ctgttttgac ttgctgtaga agagatgtgc cgcacaccgc  
 321501 caagatgctc cgcacacatt cgtccgcagg ccgggtaagt acacaaagcc  
 321551 tgacdtttcc ggcagttgaa tggctcttgc gctgcagacc gatccatgct  
 321601 gcaagctgcg ggcgcgattt aaacatttga ggtaccgggt tcttccatca  
 321651 gagaagggag ggcctatgc ggcgcgacc cgggattctg gccagggctt  
 321701 tgcctgattc atcagcagca tgcacactca tcaacttttc atcagggctt  
 321751 ttgatctggc aagatagctc ggggtattcc tgcctatgca ggcgaagag  
 321801 atctcgcgc actctcggca gggcaggttc agcgccaatg cgtctcagata  
 321851 ggcgttgatg ggcgcaggt cctttggcgc caagcagatc aatctcagat  
 321901 gcaaacccgc gaatggcatt ggcgagctgt gtcgagttgc ggtatgatc  
 321951 ctctcgata ccgacacaga ttaacggccc ctgctgatca gcgctttcca  
 322001 ttggcagcaa ggcgatggtc gggcggtcca ttgctccaca caatgcttcc  
 322051 gcatccggcg catcgtttctt gcccggtttc acataaggct tggcgaggtc  
 322101 cgggtctatc aacttttaatt catggccgaa gcaacttaac agcgtgccc  
 322151 agtgcgtgta cccacggcac gcttcaagtg cgtaatggtt cggcggtgtt  
 322201 tttcgcgaag acttccaat ttcccgggcg gacagcttct taagaaggat  
 322251 tggctgctca accgcaatca caccatgcaa tgggaagag cttcttgagc  
 322301 tatcatacc aattcggata actctgttcca cggacggttt cctcttgatg  
 322351 agactcatt ggcgcaggt cttgtggcg cgaagctgtc tgggtgcagc  
 322401 caactcaaca tgggtgcgtg atccagctgt cttggttttt ctggctatgt  
 322451 accgcccact cggccgcta tctgttttt cttggttttt cttggttttt  
 322501 cggcccaaca gacttgcgtg tctgtgctt cggggagcgc gcttgcgatt  
 322551 tccgcagag cggcggggaa gcttttttaa aagcgtctac ttcagctgc  
 322601 tttcggcgtt agtggcggtg ggcgcgcgac aggttggcaa agcgcagcgc  
 322651 cttcaactgc cggcgagcgc gctctcgtc catcgagatg cggcaatctc  
 322701 ggaatatcca ctgaacagg tctctgcgc gccacaggac sacacgctgt  
 322751 atcgcggga tggggccgtt tttgcaagc cttgcaagc cctggcgtgt

0093964-082701

```

322801 agcggcattc aacttcgctc ggcgcgcagg cgttttgcca ttcaccagtc
322851 catcggggcc gcgcgcgttg aaacgcaggc cccattccgc cacaatctgc
322901 agcgtcacgc tgcgcgacgc tgcgcgacgc gcgcgcgggc cgcgcgcata
322951 gatcggggca agagcagcgc agcgcgggc ctgatggcca tcccttgctc
323001 gcgcgcgcgc ctgcgcagc gcgcgcgtgc gcgcgcgcgc cgcgcgcata
323051 accgcgcgac ccatcgcgaa cctcctgttt gcgcgcagga tccagattgc
323101 cgcacacctg ggaatcccat gagagtcaga aacgcgcctc gttggtatga
323151 gacgttcttc ctttcagttg cagcggggaa ggaacgggat gccacgggag
323201 agactaaaga tgcggcgttg ccgcgcgggt ctgatagaca gatttgagga
323251 agcgccttgc cacaagtgc ttgcgggtgc cgttgaggag gccccctcga
323301 ccgtgcgcga gacgttgccc cgtttggagc gtcgcggcct ttcctggcgc
323351 ttggggcgag atgcacagca tgcgggtttg gaagcgggctc tctataaagg
323401 tgcgcgcgag aagcgcggtc atcgtgcgag cgttgaaacc gcttgagcgc
323451 atgtccatga agcgcgcgca ccgcgcagc tgcgcgcgca galcctctgc
323501 gcagcagata tgcgcctcca tccgcagtcg tatcgtacca gcgcgtactg
323551 cgttttgtat cgcgcctggg cactgaagct gcgcgtgacg atgcgcagc
323601 accatcgggc tgcgcgaaag ctgttcgtgc actatcgccg cgcacagcgc
323651 acagtggtca tgcagagatt gtcgggaag acgcggcaag cgcacgtggt
323701 cgttgccagt ctcggggcat cgcgcgtgct attcgcccat gctgcctgga
323751 gtcgaacact tccgcgactg atggaatgcc acctgcctgc gttgagccc
323801 tttggtggtg cgcgcggcct gctggttccc gataacgcga aggtgcgcct
323851 catcaaggcc tgcacatttg atcgcgcagg ccatgcgcac tatgcgggca
323901 tgcgcgcgca tgcgcgcgca gctgtctctc gcgcgcgcgc gctgcgcgca
323951 cgcgcgcagg agcgcgcata cgcgcgcgc tctgtgaggt gcttgagcca
324001 caattaactt ggggtgagcg cccacctatc gactgcgcgc ccttttttgc
324051 agtctgagct tgcgcggcgc ttcgtacacg tatcgatggt tgcctgggta
324101 tgcgtgagcc ttgagagtcg ctttcgcgcc gagtgtggtga acgttgatt
324151 cgcacagccc gagctgctgc gctactctct cgcgcgtgag catgcgcgcc
324201 tgcgcgcgac gttctgacgc gctcttcctc ccataggtgc gctgagccc
324251 catgaccttc ttcgcggtga aggtttgcgc gcgcgcgttg cgcgcgcgca
324301 gttcgttgag acgcgcgcgc cgttggtggt cgttggtggt ctcgcgcgca
324351 tgcgtgagca acgcgcgcgc cgttggtggt gcttggtggt tccgcgcgca
324401 agcgcgcgag ctgcgcgcgc acgcgcgcgc gcttggtggt cgcgcgcgca
324451 ggaatggtat gttgacgcgc tgcgcgcgc gcgcgcgcgc gcttggtggt
324501 agaagggcga gcatgcgctt gcgttgagcc gcacgcggtg gctcgtggtt
324551 ccagatgcgc ggggaatcgc cgcgcgcgc cctgatgcgc tgcgtggtt
324601 gctcgtccag cgcgcgcgc tgcgcgcgc tctggtggtg gctcgtggtt
324651 tggagtgctg cgcgcgcgc cgcgcgcgc ttcacgcgc gctcgcgcgc
324701 tgcgcgcgac agcgcgcgc cgcgcgcgc ctcgcgcgc cgcgcgcgcgc
324751 cgcgcgcgc ctcgcgcgc gcgcgcgcgc gctcgcgcgc gcgcgcgcgc
324801 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
324851 atcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
324901 cgcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
324951 acgcgcgcgc cgttgagcgc gtaaatcgc gcgcgcgcgc ctcgcgcgcgc
325001 ctcgtaagtc accgcgcgc gtcgcgcgc gcgcgcgcgc agcgcgcgcgc
325051 ctcgtaagtc gcgcgcgc tgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325101 gaaacacgcgc tgcgcgcgc ttcgcgcgc gcgcgcgcgc gctcgcgcgc
325151 ggcgcgcgc atgtagcgcgc cgcgcgcgc ggcgcgcgc gcgcgcgcgc
325201 ggcgcgcgc cgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325251 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325301 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325351 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325401 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325451 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325501 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325551 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325601 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325651 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325701 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325751 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325801 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325851 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325901 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
325951 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326001 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326051 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326101 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326151 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326201 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326251 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326301 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326351 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326401 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326451 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326501 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc
326551 ggcgcgcgc gcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc

```

00939964.D62701



126601 catcgccgctt gttgacgcca tctctctgga cgtgaacgag catctctgac  
 126651 ttcaacttgc cagatctgag aggatctgag aaggtggaat caagaaacaa  
 126701 ggggtgcacgg acggtcttgg gcgcgcgatt gagtgtctgg agctcgccga  
 126751 gtgcgtcaag tttggtctgg ttgggcgatgg cataactctt tctagtgtgt  
 126801 gtaaatcaaa ttacgctctg atagagaacg tgtcaactta acgaacggcg  
 126851 gcgatattgg tgtttatgct gcataatact acaatgtaga ggcacatata  
 126901 gctgtgagcg ccgctatgat tgggcataat tagatttaca taatcgccat  
 126951 aaattgctgt taggcgcttc agccgcgatg gctgcgtctg attgtctctg  
 127001 tcaattgcggc taactgttgc agtctctctg gcgcgcagaa cgaactctgc  
 127051 gcgcgatct gcataaacc atctgggtgc cgcgcgtctg tccatgaagg  
 127101 aagcagcgag cgaacgcggc catctctgct gtgacaatg accgtctctg  
 127151 cgcgccagtt ctgctgtcgt gtgcacacaa cgaacgctgt gcgcgcgcac  
 127201 ggaatgaacg ggtgcgtgac ctgcgaactct atacgcactt gagtgtcagt  
 127251 acgaacttgc gtcctggact tgaagaagag aagcgcgctg agcgcgctgt  
 127301 cgcattgtgc agcgtgtgct aattggccga ttgcgcacac gctgtcttta  
 127351 cagccttgcc gacgtcaatg cggcgattgg cgaattgtct gtgcgtctca  
 127401 acgacacccg tttctgtcgc cgtctggggc gcacgcgcag ccagtgtgtt  
 127451 gaagagatcg accatctgc tctcggcgcc ctgcctctcg aacgtcactg  
 127501 ctttgccgaa ttgcgcatac gcgcggcgcc cctcgattat catgtcgata  
 127551 tcgacaaaca ttaactcttc gttgcctaac gatttgcctg cgcgcaggtc  
 127601 gaagcgccga tcaacgcgaa tctctctcgc atctctcaca aaggtgagcg  
 127651 catcgttgc ccacgcgcgt cgaatggcaa tgggaagcac acgacaacac  
 127701 ccgaacacat gccatctatg catcgcctgt ttgcgcgact gcagatagag  
 127751 cgcattagcc gcgagggcac ggcacatctg tccgagtgtt ccttgcctgt  
 127801 cgaagctatt ctctcgtgac gcgcgcctcc ggaacagggc agcgcggcct  
 127851 gctctgggcat tatcgccttc gtcaaacgct tcgagcgcca gagggtcaat  
 127901 gcgcctctgc gcgggcatt ggcgaatcgg gcgcgaacct atggtacgtt  
 127951 gcgctccatt ctgcacacaa atctctgact gtgcgcagcg tcagcggcca  
 128001 cagcctgcgc tgaacccatc caccactcca acatctcggc accgctgat  
 128051 taacactgag gagaagccat atgcttgacc abccccactt tgaataattg  
 128101 aacccatggy gctctgcagg cgtggccaaq gcgtctagtg aacgtatgag  
 128151 caacggccga acgacgcac tctccactgc cgaatggctt ggggtctgag  
 128201 tcgagcgaga atggagctgy cgtcacgact gcaacgtctg cgcacgtctc  
 128251 aggttcgcca agctgcgcca ccagggcgtg ccggagatg tctgattatg  
 128301 aagtgaacgc ggtctcgtac gcgcctctgt catgaagct ctgcgcggcg  
 128351 actggatoga tgcccacgac aatcttgcca ttgcgggccc ctccggcgctc  
 128401 ggcacaaagt gtttgccctg cgcactcggg cacaagagct gtgcgtgatg  
 128451 tctgtcgttt ctctaccagg gcgttccggg gctgtttgac aaccttgcct  
 128501 tggctcggcg cagtgccgct tagtgcgaac cctcgggcaac cctcgggcaac  
 128551 tgcagctctc tgactctctg taactgtgggc ctggagcgcc tcacacgaga  
 128601 gcgcgcctgc tgactctctg agatctctga agatctctga agacgtctga  
 128651 cgcgatcat taacgcgcag ctctcgtgat cagcttggca cggatcatc  
 128701 ggaatccaa octatgcgga tgccatcttc gaacgctctg ttcacatgct  
 128751 ccacgcgcat gacctatcgc gcgaagcttt accgggaaac cagcgccgga  
 128801 aatcttgact cgcgaccacg atcaactgac aacaaatgac gcgcagcaga  
 128851 cccacgcttc aagggggcga gatcatcccg gaatccgggg gcgcacatct  
 128901 ctccgaacaa agggggcggt tcatctggat cgcacccatc tgatagaaaa  
 128951 gacgcggag cgcgctgaaa cgcgagggcaa gaggtaaccc cgcagatgga  
 129001 tagctgtct tctgcaataa ttgatggcca acttccccgc ttgctctcta  
 129051 ataaagcgc cagacgcctg tgcctatcgc cgttggatta tatgttctt  
 129101 tctagactt agcgggttac agctttcttc ccacgcgcg aacacttga  
 129151 tttctctat ggtgattctc ggaacactga cgttctgcaa gcgcacgga  
 129201 actttgcga tctgttgcga tgaattcagc ttcggcttgg gtgaatcat  
 129251 cgttctatg gaggcgttcc acgaatctc cagcgcgacc aatgactctt  
 129301 gcgcgaagat ggtgtgtccc gtgctgcacg gaaacaaagt cagcgggggg  
 129351 cagggggagct ttggttctct gaagaagaag gagaacaga aagcgcgggt  
 129401 ctttcaagag ctggaagaaa tcttgataga cgcacggatt accgcctatc  
 129451 cttgtgtcat ctgtcggcca ggtcacagag accgtatcca tgacaagcgc  
 129501 cctgaggggt tctgttgga gatgagccgc accgcattcg atatatcgt  
 129551 cgaaggggct gccaaatatg ccgcttctct caagcgtatg ctttgggtgt  
 129601 tctgtagaac aacaggagaa accgaggtat gatttgattg aggttacttc  
 129651 cagagatgat ggaactctg gacaggttcc accgcgcg aactctctca  
 129701 aacagctcgc gactatctg agtcaatg cgcactatg tgacacatg atctgatct  
 129751 ggcacggcg caagggaaac ccgattgtgc aattggcaga cttgtgtgtc  
 129801 catcacttg ggcattgcgc aacgggttct aggaatagag catatgacg  
 129851 cttgcgagag tcaaggccaa tctcagactc tcgcaccgat gatccgaga  
 129901 tctcgattaa gtattctgct taagcagact cgtacaagga atactgtgt  
 129951 cctgaagaaa accccagaaa cactaagggg acccgaaagt ccttatgaga  
 130001 ggttagcgta aaagcaataa ccccggtgca aagcattacc ataaagtga  
 130051 taagtctgtt gaactttgca aggcgtttgt gaatttttag caaaatcgc  
 130101 tatctctgtt aatttgttgt ttaagaagct ttgacggctt tcacagggcg  
 130151 acggttaaga gcgcggcgag gacaggtctc agcgttgatg gcgttctca  
 130201 gcgcgcgag gactcaagac agtccctctg gtctgaana atgaagcgcg  
 130251 gcgcggctg gatatacggc cctgttctta cgtctcggag taactttgtt  
 130301 ttcacacggg tgccttttgc gccccacaa ctgcgcggag ggcatactga  
 130351 tcaagggcat aggcgcaggt agtctgttga tctcgtgtt ggcgcagagt

0993964-082701

330401 ggccaaaac ctgcgcgatt gttgcctgag tatgctctg aaacaggttc  
330451 agcagcgcgc agagcagcgt cagagtaggc gcagctcagc gctccagcgt  
330501 tcgacccacgc taaggcaagc taataatagg tggattgctc cgcggtcgaa  
330551 ctgacccagc gttgacaaat tgaatgcaat cggttccggc tattggtgca  
330601 ggttagattct gattggcttc gccaggttga cgcgcgttgc cggctcgcca  
330651 gcgcgtctgc cctgattgtc agcagggcgc ctgggcaaat cccctcctga  
330701 cctcgattgc cctgattgtc agttagcgt attgcgtgca gcgcagagat  
330751 gatttcagct caaggagatg cctcttgacc tcgattctgc gcgcagagat  
330801 tgcctcgtat tgcataatc cgcctgcctc attttcgaga agttaactct  
330851 ggttaggtgca tgcctagtcgc ttgtattgag cgggcttgcc attgcctgag  
330901 aaggtgaggt tgcctcctc ggtgaggaag atctggaaat ccatcagcgc  
330951 cgatgcgcga tctgtgatga ttgcgttggc aagcagagag agaaaggttg  
331001 ctgcgcagca ggtgcgcgca aacctgtgc aaactcttc tgcctgtgtc  
331051 tgcgcagcga aacgtcgggc atgttggcga caacgtctgt ccaggtgtgt  
331101 atgtccagtt ttgtgcaatc gatgatgaa taatgggtgt gcgcgtatgc  
331151 gtgaatgagt cctccatagc ccagcaggtt gtccctgttc tcatcataba  
331201 tgcgttata gatcggtatc tgcgtttct cgcgcgtgt ctcaactgggt  
331251 atgcctcctt gatcgttcgc gatcgttcgc gcgcagcgt ctgcgcgtt  
331301 tctctgggccc aaacccaggc gcttcgcgca gaagagcgt ctgcgcgtt  
331351 cgtagttctt gtctgaatg cctgtttat gctcgtagt atccactgca  
331401 attgcgttgc acatgctttt cctcgtgggc agatctgagc gttactgtga  
331451 gatcctgtgag gtgccttgaa cgcgcgaagc ctgagtgaga gaacattttg  
331501 ggcgtctgtt gatgtatacc aggtcattcc ggttcctacc ttgctgctga  
331551 gcaggctttt cctgcgcgcg gacactttt gcgtagagt aggcgcgaga  
331601 ggccatgaaa cgcctcgaaa gctctgaga agtctgtct gttgtctgac  
331651 cctagtgact ctgcgcgcgc gcgcagcgtt tctgtggcgc tctgcagagc  
331701 cgcgcgcgcgc atgtctcgc ggtatgtgcgc taacacagtc atggggcgca  
331751 gttaaagcgc gatctgaagc gttatgagt gcgactgag gcgcagcgt  
331801 tgcgtgaggt gatctctgtg tgcacactgt gtgcagagcag gtgcagtag  
331851 tcttcgacca tgggatacgc tgagaagaat ggcggagcag aacgcgcagc  
331901 gatctcgggc gcgcaggggc taagtctgtc cagaacttcc gcgcgtgag  
331951 gcggtcacag cagttagtcga aagtaacctg tggagtaaac tgcctctga  
332001 tcaagcgtgc cttcgcgcac caagcgtagt tgcacaggtt cgcacatttg  
332051 ctcgtacgca tctgtatgtt tctcgggggc gcgcaactcc acgatgaga  
332101 gttcgcgcga gcgtcctggt cgcacacaa cggtaatcacc gatctgacc  
332151 ttgcgcgagc atctcgcgat gttggcgcaac gcgtctatg tgcacaggtc  
332201 ggcgcgcgcgc tgcctcgcgt gaagcctttt atgcacactt gcgcacactt  
332251 gcgcgcgcgc gatctgtgag atgcgcgcac gtgtgaatcc gcgcctgttt  
332301 gcgcgcgcgc gatctgtgag atgcgcgcac gtgtgaatcc gcgcctgttt  
332351 gcgcgcgcgc cgaacacact cgcattcaat tccgcgtcgc gatagcgtc  
332401 ctcgcgcgcgc gttgtattgg cgcgcgcgcgc tcttcgcgcgc cgcgcgcgcgc  
332451 aggcagaggt aacacacact cgcgcgcgcgc gacgcgcgcgc ggcgcgcgcgc  
332501 cgcgcgcgcgc gctgcgcgcgc agcgcgcgcgc gactgcgcgc gctgcgcgcgc  
332551 cgcgcgcgcgc ggcgcgcgcgc cgcgcgcgcgc cgcgcgcgcgc cgcgcgcgcgc  
332601 gatgcgcgcgc cgcgcgcgcgc atgcgcgcgc cgcgcgcgcgc cgcgcgcgcgc  
332651 acagcgcgcgc gcgcgcgcgc tagcgcgcgc aagcgcgcgc tctgcgcgcgc  
332701 ggcgcgcgcgc ggtgcgcgcgc gcgcgcgcgc ggtgcgcgcgc atgcgcgcgc  
332751 aacgcgcgcgc gatgcgcgcgc acgcgcgcgc aacgcgcgcgc tgcgcgcgcgc  
332801 aacgcgcgcgc gatgcgcgcgc acgcgcgcgc aacgcgcgcgc tgcgcgcgcgc  
332851 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc atgcgcgcgc  
332901 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
332951 taggcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333001 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333051 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333101 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333151 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333201 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333251 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333301 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333351 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333401 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333451 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333501 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333551 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333601 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333651 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333701 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333751 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333801 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333851 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333901 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
333951 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
334001 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
334051 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
334101 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc  
334151 ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc ggcgcgcgcgc

0936964.002701

334201 atogctcctt ccaactcact ggaggcaccg gcaagccggc agagccagcg  
334251 aagcccgccg tccgggggat cctgcgcagc gacatattcc ttgcacacac  
334301 ggttcctagc ctgcgggaagt ggcgtcacaa gaccgagccg tgcctctggg  
334351 tgcagccggc ttgcctgcgc ttgcctgcgc ttgcctgcgc  
334401 cggcacccac ccaatggctc caggttcccc atcgagccgc cccacccagc  
334451 cggcgacgtc cttttgcacc gtctgatgat ccggtatttt gtcccgggat  
334501 ttccgggtga ttgcgcagc cactgtcttg ccctgcgat gtttgtttcg  
334551 ctgtaggcat cgtattgaag cgtgcgatgc gtctctgat cccttggaa  
334601 aatcaagcag atcgagccgc atggcgacgt caaatccagc aagcctgcat  
334651 aagcgatcct gcagatcgct ctgcgggttc cgcagacatg cgaactcggc  
334701 cgtatcgatg ctgattggaa taacgcgcga cgcgaattct ttccatagc  
334751 ctggcgagtc atctcgttg agatccccc ctttctgcgc gacgagcgt  
334801 ttgggaagt ttgagcgatc gttttcggta tgaagccga cggagtcata  
334851 acacgaagc ccggcgagca gtttatcata gctccggcag gtgagagcga  
334901 tgcgcgcgc ccgcacgga gtgtgcagga aaaaagcgt ccggttttg  
334951 tggccagcgt gttgcaatt ctccagcagc gggatcaggt gatgtcttg  
335001 cccgggactg tcaaggaatt tgtccggggg gccatgatga tgaagaggg  
335051 cgaatcatca catggctatc gaagaaagac ttctgcgaca gtttctgcgc  
335101 ggtcgtgatc catccgaggt tttcggcaag gacgggttgc tggcagatc  
335151 gaagaaagcg ctctcggagc gcactttaa tgcggagctc gacgagatc  
335201 ttgacgtcga gcgtagccag ggaacagccg ccaacccgcg caatggctct  
335251 tgaagaaaga cggttttgac tgggacgtg aanaatgagc tcccatccc  
335301 gcgcgatcgg ccggcgacgt tgcacccgaa actgatccgc agatatacgc  
335351 gcggttttcc cagatttcac gcaagatcga tttccatgta tgcctcgggc  
335401 atgcagctgc ccgagagcga ggcgcacatc gaagcagcgt ccgagtcga  
335451 cgtgcgcgc cagctgattt cggcggtgac agacaggytt ctggagagtc  
335501 ttggggatg gcagaaatgg ccgtccgagc tttgctatcc actcgtcttc  
335551 ttgatggcca tccgggtcaa gatccgggac gaaggtttcg ttgcacaaa  
335601 gggcgttat gttgcgtcgc ccgttctgag ggaagctaac ggaagaaatc  
335651 tccggctctg gatcgagcag accgaagggc caaagttctg gcttccgggt  
335701 atgaacgaac tgaagagccg ccggtccgag gacatccgta tcccgctggt  
335751 cgaagccctg aaggytttcc ccgatcccat caccgcgcgt tttccccaaa  
335801 cgtatcgtga gacctgcatt ctgcacttga tccggcattc cctggagtc  
335851 ggttccatca aggatagaaa gcccgctgcg ccggcggtga gagccattta  
335901 ccgtgcctgg gatccgaggg ccggcctgaa ggcctgggag cctccggag  
335951 aggttgcctc agccagcga taacctgcga cctccgagc ccggcgagc  
336001 aattgggaac accgtcttcc ctctctcgtc ttcccggaag gcgtccgcgc  
336051 catctttat ccaacgaagc ccatagaggg cttgaactgc accgtctgoc  
336101 gagctgtgag ctccgcgggc catttccctg gtgaaggaag ccgatgatga  
336151 ctgttatatc tggttctcaa taacgcgcgc gacgaatgga accggcgagc  
336201 cggggaatgg gttgagggaa agacacagtt tgcgcttate ttgcgggaac  
336251 ggttcttcaa ctgatcaaac cggccccgcg cagagaatc ctgacagctc  
336301 cgtcttgacc ccatatgac tgcctctccc ggaagggcgt ccccaacga  
336351 ttccgaaaaa gttcgttgac gcggaatat gcggactccc gcgtctgga  
336401 atatccagc agtcgggac ggttgaggaa gatccggcca agaacctgga  
336451 gggagagca atgtagaat tttccagat ccgtctgga gacatgga  
336501 agcggttaag tgatccgcgc gacgtcttt ctgataaac ctgaggttc  
336551 ttccctgggt gcgaccttgc ccgacctccc catccagaca ccgcctttc  
336601 ccgggagtcg ggcgttcaat gcacacgcca tccccccgga ccgacgaag  
336651 ccgggagggg taacctgttt agcacagagc atcagcttac tcaatttcag  
336701 ctcccttgt ccgacacgcc ggcctatcca tgcgaagcg gcctccag  
336751 tgttcgaag ttgtgggcca ggttagctca tttcgcgga ccaacggagc  
336801 catgtcgta agcatatac catagatca tatattag agaatggtt  
336851 ttgatgatg taacataag tcatattga gacttttcag atgtaggtta  
336901 gttggcatgt caactaata tgactatga agttttcca gtaaggtga  
336951 caaatgagc ggcctcgcca gtttcaagt gtttcaagt gaataagga  
337001 tgcagggat tagattgtt caaaaacag catcacaag tgcacagat  
337051 ccaacgatg ggttaagga cgggagggca acgagactgc taggaagag  
337101 gttccccaca atgttggtgt accgcaccag caatactcta cgttaaatca  
337151 gcagaacgag accgcggaag accgcggccc ttcgagagc cagttccgc  
337201 gcaacggag aagcgtccgc atagcccat tttctcgcg tattctgcta  
337251 tgcacctgat gatgattgoc ccaactgggt gcgctctca ttttggagt  
337301 gatggccag gagggcaag ctacagcagg agtgaactat aaaaacatc  
337351 tcttatcag tcaggacgt tgcagtgagt aactgctgat ggggttttg  
337401 ccaagcatg cgtttagcgt cagaggggtg gaacacgggc agcagcagtc  
337451 tgaagagat gcttccggg gatgtgata agtttccga gtaagtgat  
337501 tccggagga tggcttgcat tggcttttgg gggattttgg ccgaagata  
337551 gaccttcaa tcatatcat cagcgttgac gaccttgag aggttgaca  
337601 ctccagcga cttccacacg gcgccttoga ctgtatctc aagcctcttg  
337651 gcttgcgga gctcctgac ccgctgagcg ccgctttacg ccgctgcga  
337701 gagctcctc ggaacaggat ctctcatcga gatgactgc gctcagac  
337751 gaagcgtgoc cgtttgccc gagggaccaa tggtagctc aagctcaat  
337801 ccggcgcaat caactcctg atggccttcc tcaacaaat cggcgagctc  
337851 tttcgcgga cagcgttttg gttgcgcgag acgtctatga tcaagaggtc  
337901 tttgacgga gcatcgtatg taactctg ccgcttcgag gcaagtagg  
337951 ccagcacccc ggttcgaacc cgcatactat tgcagcgga agggggcgag

0093601966366

338001 gctatgtttt cgcacgcgtc gtgaacgttg acgagttgag gacgcggcgc  
 338051 cactgcacgc gcactcattc tattttgcgt gaaggtgcgc tgttcgcgc  
 338101 agggcgggtt ggggcgtgga tttoactcaa atcctcttgt cagatgaacg  
 338151 agagctatct caaccaaagt tctctctcgg gtgttcaggt ggcgcctcgt  
 338201 gtcttaacga cggacacaga tgcocccggt taacaaaggct caagcggcgc  
 338251 tcgggcgcgt gagctctoga cgttgccggc cgtcaagacc gtaaacgcgc  
 338301 cggactgcga cggcacttca ttaaaagtgc cttgtagaga cccacgtcgc  
 338351 atgtttgaga gggagagtat tcgcgcggcg cagctcgaat tgtcctgcgc  
 338401 ggcacgcagc gcaaatgtgc aagaagaatc gattgcgcat gacgcgcgtc  
 338451 cgcaggctgt cgcagcgaag ctgaagacac gttgcgactc cgcctcgcga  
 338501 atccaaagca agcgtttagc acactctagc cggcgtcaac gacgcgcggg  
 338551 cgcagcttgt gcaacccgcg attcgcgcgg gttgaaatgc tgcataagc  
 338601 gagtggcggc agggcgaaag ctgcgcggcg aatccacgag attgagtgcc  
 338651 aagctcgtgt cggctcgtgc cgcagctcag ttgcgcggcg gatggcggtc  
 338701 gctcctgatg tggcgcagat gcgaacattc atcgcactcc cgcocgcgcg  
 338751 caagctggac gcgtctggac gccaaagcgg cgcagcgagc agcagcgaga  
 338801 gggcgaacgg gtgtttatga gactcgcgtc caccgttcgc cagcgcgcgc  
 338851 cagacgcgct tcattgtgca caacatgcac gacccgaagc tcgggcgctt  
 338901 ctctaatatc agcccgacgg ccaacgatct cgtgatgta ccaggtgttc  
 338951 caacccaaac ctctcacccg cgcgcgtcgc tggcatcaag gacgtccac  
 339001 cctactttga cgtatggcgc ctgataaacac tcgcgcacac ggttagagtc  
 339051 agctgaaggt tgcgttgcgc tgcgtgtggc gcggtgtgct caccctcttc  
 339101 gaagcgaagc gccgcgcgtg ttaattctcc gatccaggcc tgaagcgac  
 339151 agttctcggg tcgcgcacat agggagatca tgactggctc cggcctcgcg  
 339201 gcttctggag agcggtatgc ctctctgagg cagcagcggt ggttcacgt  
 339251 tggttcggcg ctctgagcgt tcggatgcgt gtgcagctgc ccaatgtagg  
 339301 tgtctacacg gcctgacacg cgataatgac ggttcgatcc gaattgtctc  
 339351 catccacggt ccggggaaaa gcttttgtgt gtgcggatgc cttcogtatc  
 339401 gcgctcaatc attctcgtga ttaacgcgac attcgcgtcc gcagctatgc  
 339451 ccaataaagg ccgcgcgtgt tcgaggttgt gccaacggct cgcgtctctc  
 339501 agcatcgtct cgcagcagga ctccgggtat caaatcagct tcggatctcg  
 339551 agctgaaggt gtctgtccag tggatcgatc cgcacactgt cgcctcaagc  
 339601 acatttttgt acattagatc agctcgtgga cctgcggatc gttccatggg  
 339651 catccggcgt agacaggaac tcgacgcgca tcgcgcgctc cgttcagctc  
 339701 agttccttca ggttcgaatga agctccgggt aaggtgcagt cgcaggaacg  
 339751 ggggtggctga acgagcgttg attcgtcatt catgcgcttc ggttagggga  
 339801 tgtgccccga ctttctctcc ggggtctcgt tggcgtgcgc catgcacacg  
 339851 ggcacacggg attccggatg atggaatacg accgcocgcg cactcaggtt  
 339901 ggttgagcgg aaacgggaga tgcaggaag gccacgcctc cggcagctgt  
 339951 cgcgcgaaag gttaggtaac ccgcgcgcgg cactggcctc ccaacgcgga  
 340001 tcgacgctgt ctaataactc gttccagctc tctgtttctc cgggaatggc  
 340051 cgcgtcgcgt ctttgttaac gttcaggggt cgcagcgccc aaactctggg  
 340101 tccatggaa tctccgtcgt atgaacctgc tcaagggctc ctgctctctc  
 340151 gttccccaac tacttgctcc aagttcccaa cggatcgtgt tgcocggctt  
 340201 gacgcagctc tgcctcatca cgtggagcga ggtgcagcgt tttctagcca  
 340251 gttcgcaggg agcgggtgat cccagcgccc cgcgcocgac aacccgaatg  
 340301 cgtttgcctc tcagactcgc gaccgatgga actcgatagc cgtatgtctat  
 340351 ctgcgcgtcc cgaacaaacg gccagatgga cgggaacgct tcttttaactc  
 340401 gtggtccctc acgacttgag tgtgaatgt gctctctac cgcacttcgc  
 340451 caaccccaag cactctcatc ctcgttgtgt tgaagttcgg tctgtctgat  
 340501 cgtgaatgag agccggatat ctgcctccgc gcattgcaca tatgtttcc  
 340551 cgtcgcgcac ttgcgcac cgtctgtcag cgaactcgtc tggtagggga  
 340601 agttgttgtt ccgcgcgcca agggaaaggc agatggcgac tcgaagaaac  
 340651 ggcgcgagga agagggcaca cgcctccccc caaagactca cgtccacgc  
 340701 cctcgcagct taagatgcga gccctgatgg tcgggcgatc tctctcggc  
 340751 cttggttcca agggacatc gacactccct tgcctcagc cggagagctt  
 340801 ccatctggag tcaacgagga cgaagcttcc gctcgttgg cgcaggtcgt  
 340851 tccaccaata ctcgatcggc tctcctgtg gatcctccg tcctcgtcgc  
 340901 tccaggacat ggcgcaggtt ttgcgtcggg agttccgcga atgcacatgt  
 340951 ggcctgcaca tagcgggtat cgcgcocccg cagacaaaga gctccttgg  
 341001 atccacagtg ccgctcagga tattcggagt ggtcgcaggt cgaacaaaca  
 341051 tgggcgcgca ggcctggaaa gttctctgga gcaactgcgc cgcgcctaat  
 341101 cgtctctcgc gctcctaatc gctcctgaaa cgtctattga aggtatccg  
 341151 cagcgcgcgc ctctcctatc acgagggagg tctctccagc agcagaaatg  
 341201 agcttttgaa gttccgcgac cctcctggcc cctcgtgtgt tgacagcaag  
 341251 agcaggaggt ggtccaaagt cgtgtatgg cttcatgttc aaccacgtg  
 341301 cttcggaggg actttgggtg gaacgtctgg accgggatga ttggcgagc  
 341351 caggcggatg accgggatga ccaggatgat cgggattgoc ggcgtcgcgt  
 341401 ccggatgtgt cagctttgoc tgcacatcga ggtcctctc tctcgcgtc  
 341451 ggtgtcaagt tttagttgtg ttgcactagg cgtcttcaag accggtgaac  
 341501 ggttaagaa ggttaacac cgtgtgtatt ccatgcgaag aactctatg  
 341551 tgcctcgcg ggcgcgcgat gttctctgga ccatgcgaac tgcgtcgaag  
 341601 gttcctctgc gttcgcctac ttgcagccca gctgtgtgt gcgcgcctc  
 341651 ttgcgtgatc tcttgatat tgaatgcac ggccttgtct ccaattgaat  
 341701 actaatggg ccgcggacct tgaacgcgca gccctctaat atggagcgac  
 341751 tatacagccg gcctaaagtc agattcaac atttatagg tgaagcgcg

09939964-082701

341801 aggtatcatg caacttttca gctggccggc aggtttgtct caagttaagt  
341851 cgaaggccccc aaagggtgac ggcgtccagt cgggggaaag gaccaggggc  
341901 ttgatactgc aaagcggcgc ttgagggggc agcccgctcg agggaggagt  
341951 cgcatttttc ggtccggctc agcgcgcgc gacgcggctt cggcgatgtg  
342001 cgggaagcaat cgggtgtctc ttccctggga cggcgccgtt cgggaactcg  
342051 gcaaaagatgg cagcgatgaa cgcgcgtctt ggaatacag gacgagccgc  
342101 cagatatact ttgagctggc cgtggcgctc gctcagccgc agcaagctgt  
342151 gaggcgcgca ccttcaagta caacgctgtt gctgttagtc tgcagtgtac  
342201 gagaagatcg ggcaccttgt tgatggcctt tggatgtgta gaagtgtgac  
342251 ccgaacgggt acgggaggtc acgatagcga caccggatgc tgcacagctg  
342301 caaggacctg ctacgcgcgc aacgcctcga ggttttgata ggaagtgtga  
342351 tggcgggaac aatccagaaa gcttcggcgc cgcgaagaa cgcctctggc  
342401 ggggttcgpc tcccgccgct tccctatgac agataacca aaaggagggc  
342451 cagagagcga gcatccggtt caactcttgc acttgcaac gggagcgcg  
342501 cgcgctgctg ccccccgcgc gcacaaggcc caactggcgc gaggatcctg  
342551 actaaacgcy cccaaatagc gttgacgaca tggatggca tgcacggctg  
342601 tgcgtctcgg caaacgggct aaagcgcgca attcggtcca ggttaatttt  
342651 gcgacgctc gcttgttaac aagcgtgaaa aaattatccg cgaaggccgc  
342701 catctcgccg cggagcgcac cactactagc cgtctagaca cccacacata  
342751 cgaanaatat gactcgagca taacgcccc cgggtagc ggcgagggg  
342801 gatcccgccg ctacctcaga ggaaccaatc ttattcgac caccgctcc  
342851 gcgcgacacg gcaacgggtt ttccgagctc gaatccgggt atgagccagg  
342901 tggcggcgcc cgaagctcac aacgcgctgg tgcgttaact tcccaacaaa  
342951 ggggttcgpc tcccgccgct tccctatgac agataacca tgcgcctcc  
343001 atgttgtgpc tggatgcaac gatattgpc cgcgaagcc cggcgctcgc  
343051 cccagacctg acatcctgct gtcctctcta cgcctattcg gtttcagaca  
343101 ccaagctgaa cctcgccgct cgtgcacatga ggaagtgtga aaagcgcgcc  
343151 tgttcacaa gaaagcgcctt ggcaggtttt ggtcagtgcc catggtgtgc  
343201 ttcagcggta ggtagttaac cggcaactga cgtgaagcc taatggcgcc  
343251 ctgctagatc aactgcacg ttcacggctt tccacgctt aggttagaca  
343301 cacatgaggt gcatcggggt tgcataaata cccaagcgt tttaaaagaa  
343351 ctgagatcg tcatcgccgc gataccggcg gttcttagca atggccgaca  
343401 cgaatgcagg gtaaacctta taacacacca tatgattcca atctgcagag  
343451 ggcgctgctt ggtctgaagg cggctggggt agcactgctg taaggcgagc  
343501 gcatctgctc cctggagctc gcaaggtatg tccggctgc gttttgagca  
343551 ctccggcaat attcggtctt tggtaaccca acagcgctc gatcacatct  
343601 aagtctatga ccaattcttc cgtgaacacc agcacgtgct catcaagctg  
343651 gcgcatctca ttctcgcttg cctgcctcac gagaagtcg gcatctggcc  
343701 tgggcagagc gctgaagcag agctccatcc catcacgctt gccaacggag  
343751 tgcggcgcta ttctgcctaa agttttctcg gccagaccca tctgctctg  
343801 caccocagcg tctgcaatt gagaataaa cgtctgcaga accgagctgc  
343851 cgcacaaccac acctagagct gctgaaaagc gctcttaca cgtcgagatc  
343901 atctgttgtt ggttggttaac acaatccccc aagctctgaa cttcgccgat  
343951 ttctgtgctc ctccggactga gaatctcttc aaactctatc tggggcgag  
344001 cgtctatctt actacacagg caattcagat ttatcgagct tggaaagtgc  
344051 actgtaggtt aagtgcgcaa aagagttaga gttgattgat ggttcaatgt  
344101 tccgttaagc cgtattctct ttctcgggag tgaagtggct cgcctagatc  
344151 tgtttctcgg aggtttgctc ggcacggccg ggcgcgctct cataacagga  
344201 ggaagcgcg tggctgatta tagagaagct ttgtcggaa tgcagtgttc  
344251 aaatttaag aacgggagtt cgttcgcgca atccggtcga aaaggcgagg  
344301 taagatactg ggcgagctc gaggcgtctg atgcagggat acgtcgcgag  
344351 atcaagcaga tcaaggcgaa gtttgaaac gtgtattctt gttacgagc  
344401 ggggcocact ggtacagggc tctacggctt gatccgtcca cgtccagcag  
344451 aatgcagctt tgggtgtcca tctttgatcc cgaagaaac agggcgccgg  
344501 gtaagacaga acgcgcgcca tgcatttgc ctcgcgggca tattcgagg  
344551 cggcagctc accggcgtgt ggttccgga ggttagaat gaggcgcgt  
344601 ggcaccttgt cggggtctgc acgagtcgct tgcgacgct ggcacacat  
344651 cgcagcagg tcaacgcgtt catctcag caagctgta tctatccggg  
344701 caaggaggag tgaagatgc gctacctctg atggctgcaa gaacagcaat  
344751 tgcacatcc tgcacatcag atcgcgctc aggagatggt cgaacgggtc  
344801 atcgcgatc tctgccccca ctgctcact gctggggtcg tatcgctct  
344851 cggggccttg cggcggtggt acttgatgc cgggtgacg tttgcgacag  
344901 aagtggtgga tgcggcgccg tttgagcgc cccgcacact gatggggtat  
344951 ctcggtcttg tcccgggga acgatagac gggggacaa caaaggaggt  
345001 cgcctaac aagcgcgcca acgagctgt cgggacttg cgtgttgat  
345051 cgtcgtgac gttcgtgac gctcgcgga tccgaagag gaaggttat  
345101 cgtcgaag aggtatcact cctggttcgc gagatgctc gaaagcgga  
345151 gaccgcctg accggcgctt accgcgtgt gaggccgga gggaaagat  
345201 cgaagctgt gtcacacgca gtcgcacggc aactcgccg cttcatgttg  
345251 gcaattgcaa gggaggcgcc acagaccag tcaatacag cgcgcacgga  
345301 ctcgcgactt cggcgaggcg ggaacaggg aggggaatgt cgttaacg  
345351 ctttgtggcc ggcaggtcgc agcccgccag taagacagga acagccocag  
345401 agcacaatc gggaaatggt tgcaccaacc cgtataaga cgtgtatcac  
345451 cgaagctttt cagttccgca tccacaagt cgcagagctat cccctctgag  
345501 ctttctcta cgaacagag gactcgact gctgcgaag ttgcagcgag  
345551 acatcagagc ggcagcaga ccccatagc ggaatgggag ctcgtgcgac

00033064-002701

345601 cgtcgatggc agagcgggca ccatgatgtc totgcgcac atggggcgto  
345651 acotctcatg accgcagatc ttttaacgag tocttttgtg catagcgott  
345701 gtgcggcacc agcgtgatcg cttgtgtcgc gtgcgggaa gtgcgtatca  
345751 tgtgcagagg ggggatgatg gogaogctga tggatagtt ggcagctcg  
345801 ggaacggcat cgggggaagt ggtcaagcct gatcgttcgc acgtgatct  
345851 gacaaatggg totgtctctg ttoggaaaga gatattcgg aaggaocgtc  
345901 tctgtccagt tccagcgact caggtgcgcc tgcgccacta gctcgtgtg  
345951 cgaacgtgtc ctcttcttca gcggaaagc cagctctct tctcgtgtg  
346001 cgtgggcacc agcctctgtg cgaacggcct aaaaatggt ttgtgtgaq  
346051 tccgcaagtt cgcgcgcctt gatcagggca agcgtttgcg gcgcgcagat  
346101 ctgcgggcac ggtttgcgtg gacccgcctg agcatcaac acggcgccac  
346151 gccctggcgc tgcgtgcgtt gctgcacact atctcggcca ctccagctac  
346201 agtgacacag cccactatct cactggatcg gtggaccttc tggcggcgca  
346251 gcgcgccttc cttgatgggg gcggaagcgt acctcggagc tggctgagaa  
346301 cccagggcat gcgaaagact gcttgttcgc ctatgcagc cccatgtac  
346351 gggcgcgtgt gtccgcacac catcgggatg cggaaagcaa gatcggggtc  
346401 gcgatggctc gcgcaggaac gaogctgcgc cagtaacga gcaggttgc  
346451 aatagatcac ttggccatcg tggagggcgt cgtcgaacta tgcagttgga  
346501 agagatgctc cgggctgag gtgtatcac gggctgtgag tggcgagaa  
346551 ccgatactcg taggctctct ggggatctcc atactctgc gttctctta  
346601 gcgtgtacgg cattgtcgag tccagctggg tatctatgat gtccgcagat  
346651 gggacotcgg caaccacggc gcggaacaa ttggggcgaa agacggcgt  
346701 tgcaagcaac gtacccocgc caccactctt tccctcaata agcagcgt  
346751 cgcgggttgc gaacccaagc tcaataagcc cctcggtagc gtagatgaga  
346801 tctgtgtgag taatgcgtt ttggtcggg gtacgcgcgt cgtgcacatg  
346851 gcgtcggagc tggccacccc ctgcacgtg cagatgcgc aaagctact  
346901 cgcggtcgag cagctctcaa cgcgcgccta tggaaaggg ccaagcggg  
346951 aacgagggca ctcttggtat cccgtgacac cgtctacac atctaaac  
347001 tggctccagg cgtgtcgat gcgcgcgcgc gaacacagc atcgggaat  
347051 gcaacgcctc tccagcctct gcattagca cgtttgaa gtattgaga  
347101 gcatcatcac cgggaacggc ggcctgcgc aggaacacgc atcgttgtt  
347151 ggcgaatcac tgcgtgatga aggtgtcggg cgtcacaaac gactaaocg  
347201 agtaggtcaa cttcgagctt cggaaacgat gtgtgcggc gaatagaca  
347251 ccacggcgcc acagggcgac ccttatagtg cagctcggct cgtcgggaac  
347301 gatcacagcg ccaacccgcg cgtctgatt acggagatc cgtcggagac  
347351 gggagccttc togttccagg aggaacaaat gctgttggc catcgggatc  
347401 togtgatagc tcaacgcgcg tgcgtgggc agcaactctc cccacggga  
347451 cggtagggga tctctatagc ggcacatcac cagcgcgcac cagcgcgcac  
347501 tcatcgtctc gttccagcgt aacctgtgc acaggtgtc gatcgtgtg  
347551 tgggtcccca gtccacgatc cagtagggga cgcactgac ctcccggtc  
347601 gtccggggga agacacacca cctctgcagc cctcgtctga acgtaaagag  
347651 acatgtccga ggtagtgaat acgtcgagga ataaccagc gcgctctga  
347701 gaacggcgaa ccagcacccg cagtcgctgc tttgcctctc cgaacacac  
347751 ctccagagtt cctcgcccca cgttcagagc gaagatctga tgaagtgtgc  
347801 gccggtcagg cgcctccgct gtgaaaaaga gogtatgatt gtccggcgcc  
347851 cagacaaact gcgcagcgt acocgcgtct cgcagacat cgcgtccgc  
347901 ggaatgtctc cgcaccccta acctgtagc ctcggcagac atagatcaa  
347951 cgtcaaacgc taggtaacgc cctcgtcac togggtcgaa ctcagctga  
348001 caatagaaga cgtcggcccc ggttatgcg tctgggtgca ggaacagtc  
348051 gcgcagactc cgcgcgcgcg gcgcgcgcgc ccatcagga tgaagcagc  
348101 cccgctcgtg tccctgggag tagtcaaac gcccacttg gacgctggc  
348151 gtgcgcctcc cgcgaagcgt agccctctcg atctcggga tgaagctcag  
348201 ctttagtctt ctcaggtgag cgtcgtcttg cttcgatag cgttttgcg  
348251 cttcaagata cgcggggagc tggggtatct ctcggttcgc aagcatcaa  
348301 taccggttga cagtgacgtc gtcatgagc acaggtacc gttgctggc  
348351 acgggggaag ggtgggcgca ggtcttcttc ccatcaca acgtctctga  
348401 aatgagaaca agcgttgtat tcatcacgc cctccactaa caagtgatg  
348451 cgtcgtctga tgcggtttaa cccgcctatg aacccggatc gogtatcgt  
348501 tttagtctt cgtcgcagc atttgtcag gttgtcaga gttcgtgat  
348551 gcgtctgtc gtccgttgc aaaggtgta gaagcttgt aacttgatc  
348601 tocgctcgcg atcgtctcac cacaagctcc tottcaaag ccttcgggac  
348651 gatcctctca gcgcagttac ctgtaacaca attgagcccc accatctgc  
348701 cctctccgcg tacgggaggg ctaagcgttc ggttgtctg agccacctgc  
348751 cgaaggcgct ccgctatgat gctcctgtc tcatgacac gggcagagac  
348801 cgcatactc gtccagctat ttgcgaagc aggggcaccc gtccagagc  
348851 caagattgtt gccctgaaa gtcccatgt gttgcgcgg cgcgcaaac  
348901 tctaatctg gottgagcga caaaagggac aaagcgatc cgcagccat  
348951 tatagcttc gacaagacta caactctgc gcacaaaccc cgaactcga  
349001 aactagagaa attgcgtgct cttccgcac ctcgcgtgca atctcagga  
349051 atcgagctc gtcagttgtc taaggttgt cgtcgtatg atctcagga  
349101 cttctttgcg gcgggttga tccccccttc gotttgacg atttcagaa  
349151 tgattgcgcg aggtacatct aogccactgc ttgcataagc gacgaacta  
349201 tccagatatt ccgaagtgct gttatggga ccccaatad cgtcatagga  
349251 catgaacgac acccgggctg gcggaagcc tgcgcgtcc cgttagtacc  
349301 gattgcgcgt acocgggagc gcaacacgc tcatccatg gaagcgtta  
349351 gtgaatgaaa ctatgctgtg cgtccagtc gotttgcgc caggttcaa

0023964-002701

```

349401 agcagcttcc actgcattag cgcgggtagg acggcaaac tgaattttgt
349451 aagtcagacc acgtggcgcg aattattatg cgtcaaacca ctccataaac
349501 tctcgttttag ctggcgttag catgtccaac ccgtggattt ttccatttga
349551 tctcaggttat tgagtcgtgtt cgtcaagaaa atacgagatg ttgtacagctt
349601 agttaaacgc gcttgagcca gaggaataat cgtataaact gcggcgctct
349651 tctgcacgca ctgcggcgca cgttcacggt tcaaacacca cgttcacggt
349701 tccggataaa aatgcacagt tgcattcgag gctctcagag cgtgagagt
349751 aattggactt actctcgttt gcactgattt tctctacaaa gcagatggcg
349801 tccagagcgc gcgcctcatg cttctgaaac cgtgcacaa cgcacatctg
349851 aattttacgt ggtctccgcg ttttacacgg cgtgcagcgc ccacggcctt
349901 acccaggtcg gcagtatcgt cgttgccact tcttcagtat attcgtcgtt
349951 tctgatatac ctacagcaga accaggagag ttgcacctg gtccttttgc
350001 acatccgatt tctcgagagc ttgaacttat cgtagtcgca ctactttat
350051 ccagcgcgag aggcacatgta gcgcgcctat agccagatgc ggctccacag
350101 ataaagactt ggcgtctcct ccaagatctg tcccgagcgt agctctgacg
350151 tccagctatg ggttaactca ctgcgcgggt cgcagggcgc cgcagctctg
350201 atgcaggttc acagagtag cagcgtggcc gattgtgaa tccactgtac
350251 tccctttaga gagtgcgcga cctgcacgtt gcttggtctc tttttacat
350301 tctgataatc caaggcttat tgccttaact cgtcgagcgt ttctgctcga
350351 agtacccaac ttcgcctaca cgttcttaat ctgaaagttc acagattttt
350401 cggaaatcgc cataataacc cctatgtccc acgaagttt cctcgtgcgc
350451 acccaacaca cacactcttt ttctcttaaa gaagggcag gaatttttgc
350501 gcaggcgttc aaattcgaga ttttcggcac tctcagatgt aaatgggtgc
350551 cggcaagttg taataggcg attgtctgt cgtggaatc acgctgcgaa
350601 tgcgcgcgaa agctcatgat cgcgcagata cctctagggc ccgcgaatgt
350651 acagctatgc ggtgaactca agccacgat tgcagctgt tccacatgt
350701 cgcgtctgta cgttcagctc ctctggctgc cttcagctgc cctccatgt
350751 atcgggcgag ccccatctgc actctctttg atgcagggg ctactcgttc
350801 gtaacccact tccgacatc gctccgcgca accatcagga taattcagaa
350851 tctcttcoga gtgcatttc actcgtttca gacgtttatg gtgccttgta
350901 agcggacacat aggcagcaca cttgcagcga aatttaacg caaaagccga
350951 caaaaggtcg acaatttttt ttggttgagc gacacacat gtacgttgta
351001 gaagcgcggc gacgtgcacc acatacctg cctcactcgc gtttgagaaa
351051 tggatcgatc ctcccaagga ctgatcagaa actcgggtgt ccgatcctgc
351101 gacttgaggy aaactgcgag catccgcgag tcttccacag tctcgttcga
351151 gtcgcgcatc gccgcgcact tagtcacggg tgcgcgcgc ggcgcgcgat
351201 agactatgca cgtcttgaga ccccaacgca cgttatggca cgttatggca
351251 tgcgaatcga tggagatctg gcactctgct ccttctcttc ctctcgttcg
351301 taattgtatat cgttgacgag tctactctgc gtgcgcgaat aggttcacaa
351351 ctgctgcgaa gtttgacgaa agggggcgtc aaogaaatc ttgtcgtttt
351401 gtccagggatt tgaacacacat gcagccagta ctacgcgca tgcgcctcag
351451 ctgtgggtgc gacaaacgcg acagtatgt cgttgctgt gttgcactgt
351501 gaggtctatc attacgcate ggcctattgc ttgtccagga agcgtctcgt
351551 caatccaaag cgggagcgcg agcctgtgc ctgcactcgc aaactagttt
351601 agaacgaggg cgcgacatag agctcacat cggctccaaa ccgcgtacga
351651 tatccggcgc ccacccctctt ccgcagacg ggggttccctt gcgcctctta
351701 cgttcagatc cctcttgca taccaaacg cgcgcagcgc cactactcag
351751 gccaaacagg agactctctc aacagcctgc tagggctaga tgtagggtga
351801 gacatagatc ctccacgta gagaatcgt aagcggctcag ccgatagcgt
351851 caggcttgaa gttccagggc atgacgcctt cgtatttoga tgcggggcag
351901 ccttgagcaa tgcgggtcaa ggtctgcgag agcagctoga ggggatgac
351951 gccatcattt ttgcaggtct gcagcaaggt ggcacacgtc gccccagttc
352001 gtccacgcgc ctgcgtgcgc gogaatagac tttctttct cgtaatcgtt
352051 tggggcctga tgcgcgttc gcagatgttg gactgatct cgtacagggc
352101 tctcgtcaga sagcgtcga gcgcctgcgc ccgggtgagc ggttagagga
352151 tgcctcgcgc ggttttgat tttcccgaga cttgtccgag ctctttttcc
352201 cacagctoga agagctgggc gcagatgggc taggtctgc cctgggggag
352251 tccgcggcgt cttggggtat cctgcgcgc cactcaatc tgcagctccc
352301 acaactcgtt catgpggat attgaatcgt ttgcgggttc cgcgccccgc
352351 ctgattgtca ggtctcaaaa cttgcggcgc aggtgcgcgc agcacctcgc
352401 gagctggatc gtttcaattgc tgcgggtttt ggccgcgcgc ttgcccaggt
352451 tggtaaaagc tgagtacgca tccaatgca gaatgcgct gaatcggcgc
352501 agatgaagcg ccacgcacat ggccgcctgc cgttctcaa aacggttagc
352551 caccatcgcc ggcactggtt ccgcactagg tgatcactg cgtcgttaag
352601 cccacagcca ggccttggtg gctttccgcg aacccggggc aaggggtggc
352651 aaggtcgtct cgtgcgcgaa acccttttgc cgcgtctcag cgcgtctcag
352701 gatataatgc gcgagatctt gcaactcga gccctagatc cccatcaat
352751 gataatgctc tgcgggggag acctgcgaa cactcaatc atagatcgct
352801 tccgtcgtgt aaagcggaag gcgcgtgcgc tattttgaa cgcgcatata
352851 ggcgagcagc cgtctcgtgc gcagcgcgtt ttcgatgag tctcgcgggc
352901 ccagtgctgc aaacacgcgc tgcgcgcctc ggaagcgta tttcgggggc
352951 cgcgtcagca tgacccggaa cttcgggggc acgcagctca gccgcgtcga
353001 gggtctctgc ccgatcagaa ccttttccag ccocgcgcga tccgggggga
353051 cttcgggtgc gataaactcc tgcagtgctt cagaggtgtc ggcgaagccc
353101 ttgcggggag gcgggcgcgc cttcgtgttc tcccccgcgc ccggttgag
353151 ttcgtctcgc atttccgaaa ggcgcgttct gacctcctgc aacgcgaagg

```

099399661-082701

353201 acacctgttct gtctgttgaca gccaaagccga cgcgcctcgga ccgcgtgcga  
 353251 tgtttgcgtgc gctcagagaa tttcagpabc gcgcgtgcga tggcgatcgg  
 353301 ctctgttggcg cttttctcga cggccttcag ccggggagcc tctgcgcggc  
 353351 cggctgcgaag tcggggcctcg ttgcagagctc gctccttggc cattgcggag  
 353401 atcatcgott tcaagcgatc gacgtctgtc ggaagatcgg caacagcgaa  
 353451 aacctatgga ggcaatagag cacaacaaac cgcgctttcc caacgcgtac  
 353501 agccacatga ttcatcatgt cgcagggccg tttcagcccg ttaacacagc  
 353551 ccgcctgacc ttggccggggc ggcatttttt ccaatcgagc ccgggcagaa  
 353601 ggccacatca ctgcgaatgg tccagaagca tccgcgcgcg cgatatgcac  
 353651 ggccagcaga agctttgtctc ttccagagtt ttgcgaatga ggccagcccc  
 353701 gctgcgcgtcc caccacacga tccgaacagc gtcgcgcgcg ttcgatcgga  
 353751 acgcgttaag cgaacatttg aacggtatcg tgcgcagaca catatagag  
 353801 agcgttttta cgcgtggcgtc ggcgttatcc acgttcagcc gcgcgcgcgc  
 353851 cgggatggcg ccggttgccct aaaaacgtgt tggactaagc ccgcggtgag  
 353901 tttcaggtcc tatgggtatt gaattgtgct gctcgaagga aaggcgtgc  
 353951 aggggcggtg atgacgtacg ccgcgcgtgg gtcgaacggga cgaagcagc  
 354001 gcgatatgg aattcgacag ggggttagat tgcatttgta acctgcggcg  
 354051 aaggatcggg agggcgaacg gcaagcaact tctcggggac gacgcgtttc  
 354101 ccggcggaag gtgcgaaggt gacgatgaaa cgcgcttttt catgacgtgt  
 354151 ccacgcatcg ccgcggtccg gtgcagccgt cgaagatttc gatggtgatc  
 354201 atctgcacct ggtgacaggg ccggcattgt ctgagggaac ccgcggttag  
 354251 ttctcgttag cgtgcgcgtc actccttcgg ccgcgtgggg tccgatgggg  
 354301 ccggcaagcg catcgccgc aggttcggag atttgggaag tttgtgtgag  
 354351 cgtatagcat tgcgcggaaa accgttaatg cggatccggt ggaagccctc  
 354401 aggcaggagc tgtaacgaaa ccggcgggat gaattctgct gtcgacacgg  
 354451 tcatgacctt ttgcgggtcg ccgtgcggat aatccttcca tgggcaacgg  
 354501 accgctccat cttgatatac gacgagccgg ttgttggaga gccgaacgg  
 354551 gtgcgtataa ccggcgaact aatcgagcac ctgttccggg ccggcggaag  
 354601 cgcgcttggc aaagacgacc cactcggcct ttgcgagcgg ccgcagatag  
 354651 ccggcggaag cgttcgcgtc gttgagggct cgcgaagtcg agagaaact  
 354701 cagcttgcgc ccgtcgaaag cttctccag gtgctccaga aacaaagctc  
 354751 ggcaacaggg agagagcccg ccggcccgca ggaagagacc ggggttcgag  
 354801 ggcacatcgc cgcgtcgcct ccggcgagac ccgcgacccg ggcagcgcg  
 354851 cgcgcagatg ggcgtgtgga gtagattttg ccccaagctc tgcagagcgg  
 354901 cgaagagacc gatctcgccg ccgagatgtc gggggttcgg agcagtggtg  
 354951 cgtgacgctc ccgcggtggc gcgggaagag agcccgtaaa agcagccctc  
 355001 gttctggtaa cgcgtggcgg caatggcctc ccgcagctgt agacagcgt  
 355051 gaaagtactg tgtttcgagc agctcggcgc gacgatctcc gcgcacatg  
 355101 gcccgggcaa cgcatttgca gccggggcaa tgcctgtcgc ggcagctgtt  
 355151 gaagcgcatg ccgcggtggc cgcattgatc gcacgccttg gcacgcccac  
 355201 cgcgcggcgg ggtccggcac aactcagatc ccgtcatgac gcggcgctgc  
 355251 cgcggtcgaa gccgcgtgtg ctggggcaga taggcctcgc cgtacgcgc  
 355301 gaagatctc gcacatttgc gcccgacg ccgcacatcg agtccaaa  
 355351 taactcaggt ttggcgggcg ccgcgtgggc gcgggacggg gcaaaagctc  
 355401 gaacgggctt gagggtggcg agactttgt ggtggcgatg gtcagagtc  
 355451 gggcggtggt ccgcagggct ccgtgaccca gcagcaattg aatggtcgc  
 355501 acgtcggcgc ccggtccag gcatggagc gcgaagggat gcgcgaagct  
 355551 atgtggcgtc accggtttgg caaagcggga gagatcgtg ccttttcgac  
 355601 aggtttgcc gactgcaccc ccgctgatcg ggtggccggc gcgactccg  
 355651 ggggaagacc actcctttgg ccggggcacc ctccaatagt ccgcagggat  
 355701 ctcacaggagc ttggggagca acatcacata cgggctcttc tggcctttac  
 355751 cctgcgtcac ccggaagacc attctctggc tgcgcgtcgc cgtgggctc  
 355801 agtgcagac ctcgcagatg ggcagatg gcggtatag cgtgtcgtc  
 355851 catgctgtg tgtttgacat caagcaagca gcggagaaag tgcgttaact  
 355901 catccggact gaggatgac ggcagctctt cgcgcttctt ccggaagcgc  
 355951 aatacctctg caggccacca gctcctctg agtgcagcc tgaagaaaaa  
 360001 gcgcgaacgc gcaatgggca tatggattga gttaggcgcc agctttctt  
 360051 cgttggccag atagacctga taggtccgaa tatcctcgcc gcgcgacag  
 360101 tccggcgccct tgcgaagtg tctgcaaac agcgacacct gcgcgagat  
 360151 tgaagctgg gttattgagc agaaattgoc caactgcatt tctcgtgca  
 360201 tgcgctggcg aagtggggct atgcagagct cctctgtctg atggaatag  
 360251 ctgcacaaac gccgctccct cgtgcgcgag ttgggggtcc tactgaatac  
 360301 atgacctctc tctcgttgc ccgttagcga cggggttagt ccaatggg  
 360351 tttatgcgt gcgcgatta tgtcgggac ccgtcgcggc ccgcagccgg  
 360401 gccgctcaa tctggaatic tccgcacat aatagtcaga taactgtac  
 360451 tagttgcagc accggctcat ttgttcggaa accgatgcc agatcgcgg  
 360501 cgactccagc cttctcgaga ctttgcgca tcatctcgac atcgcggcg  
 360551 gcatagcat ggggttgtag gacctgtgct tgcgcagacc aggcttggt  
 360601 cgttaaaagg tcaacgcgcg cctggagaag cttcatggcc agtgagtgat  
 360651 ggotatgtct tgatcgatat aggcgaact atctaccccg ccggaactat  
 360701 tctgttaact agatttgat caaagatttc aatgctttat agatagcgtg  
 360751 tagagatagt tctgagccct tccagcaatc cagctcggga aggcgagaa  
 360801 gaatgaagta tacttaact gcaattatg gcgctgcgc ccgcgagaa  
 360851 ccgcggcg agtttaact tatcctttt gcggaatgg cgtgtgatc  
 360901 aggtcacggc cttgtttcta caaggaacca ggtgctgat cgtcgcgct  
 360951 tcaagcagtg gcttcggcaa aaggggattg gactcagga cataaaggga

00030904-002701



```

357001 gagcatgctg ggcgttattt gctgcacgga gtgcagcgcc caaagcttgg
357051 agatgcagcc gctcttogac atctattggc tttctttoga agtcaaaagv
357101 cgcgtgcgga agagatttag gtgcattcac accggtcagc ggtagaaacv
357151 catctgcaga catatgcagg gcatctgcga gacgcggctg coctgtcgcc
357201 tcacaagctc ataaattcac gacctgttgt ccgggatttt ctacagcttc
357251 gcttcgggtga tggcggagat tgcgttcgac aattgcggcg cgcgcagctg
357301 accgatttgc tgcaaaagaa ggtatgcgcg ctcaatatgc gaecgcgaaa
357351 gatgtgtaac accggcactgc ggtcattttc ctctcatgcg cgttatcggy
357401 gggacatcac gtgggacctc gcggcgcggy tcccgatcgt ggcataatgy
357451 tgcgtctcat ccatttcctc tgcacatgcg cgcgatgagc tgagcgcatt
357501 gctctccagc atcgatcggy atacgcctat cggatgtgcg gattatgcga
357551 tgatctctgc attgcgcgga ctgggattgc ggtgcagaga ggtggtgagc
357601 ctgcagctgc accgatattg ctgggtagcg ggcggctatc ggttcgcggy
357651 taacacagga cgttaacgac ttcgttgcg gcggagacgt ggcagagaga
357701 tgcgcagcta cctgtggagg gcgcttcgcg gcatatgcag tgcgcgtgtt
357751 tttctaacgc acaaaggccc gatccgagcg ttcgtggggc cgcgcggact
357801 cgggtcaatt gtccagcgct cactcaaggc gacggcgcat gactctcaa
357851 caaagggaac gcaccaattc cgcactgggy ttgcctogga gatgtcgtgt
357901 gggcgcgctg cgtcgggtga gatcgcgaa gtctcgggac accgtcatgt
357951 gcagacaacg gcaattttag ccaaggctga tctcgacgcy ttgogaacac
358001 tgcgtttgcc atggcgggva gaagcccaat gagcacatc cgcacggctg
358051 ttcaggagta catcgagatg cggcgagaga tggggttcaa gctcggagag
358101 acagaacggv gattgataga tttcgcgcgc ttcctcggag ccacacagac
358151 gccacacatc accgaggaac tggcctctgc ctgggctcag agcctctcgc
358201 gggcgctatc ggcgcgcgcg cpatcccgga actcagatgt ccgcgtatc
358251 ggcgttctcc tttgcgcgga agcgggctcg accatatctc tattcgaagv
358301 aaacatccca accgttcctg tggcgcgctc tggagatgoc gttctgatat
358351 acccgctgca agctcagggc atggacata tattgctcgt tcgggtcgtg
358401 gagcgtttcc ggttctggcg tggcgagggc ggcgaacctc aagctcgggy
358451 acgttgattt cgcagctcgg gtgttgagca tccgggggac gaagtgcgga
358501 aagtcctcgt ttgtacagat gcaacgatcg acatggcgag gctctcggga
358551 ttatctcaaa cgcgcagcag agcatttgtc agccacaggy gctatctcgt
358601 atttatctcc ttcgcgaact ggcactcgcc atgcctatc tctgactcag
358651 cgcacacatc cgcggctcgc atgaca tggc gctgtgttc gccacgaaca
358701 cgcgtggtgc cgtgtacgaa gccagagcag atcccgagcy gctcctgcgc
358751 attctgtcca cctatttcgg tcatgtccc gttggcgata cccatgpta
358801 cctcacgggt tcacccgagc tgatgaagaa agcaatgcgc cgccttgaaac
358851 tctcgtggga ggtatggaga tgaccaagca cgcgcacctc ggcacactct
358901 tggagagctt tttctccaaa cgcctgatgc aacagcgcca ggcacgccc
358951 catcagatca gttcctatcg cgtacactt cggcaactgc tgaagtgcgc
359001 agaacgaaga tgcgcagcgc cgcctctcgt cctgaacttc gagggtgcgc
359051 accggcgctg gctgtgagc actgagatc accgagatc atctctctt
359101 agaacgagga tgcgcagcgc cgcctctcgt cctgaacttc gagggtgcgc
359151 accggcgctg gctgtgagc actgagatc accgagatc atctctctt
359201 atcagcgtcc cgcgcgcaa cctgcgctc taacccgaga ttcgcgcgaa
359251 tgccttgcat tccacgcaag cgttccccc gaacctcgt tatctctt
359301 acccgtccgy aggttcgatc cttgtcggcc gcaacccggt gatcgacgtg
359351 gtcgcgcgcg cgcgcacacg cgttctctct ggtcgcgggt cagacggagt
359401 tgcgcctatc gggatccacc ggtctcagc gggatgatct gttcttcgcy
359451 accggggccc acctgcgctt cattgtaaa gggcgcaagy aacgtcgcac
359501 cccgttcgoc aagctcaaga cgcgcctgtt gagaacgtgy cgtgaagagc
359551 cgcagcgcgy agcaaacagt atcctgtttc ccacggcgag aggtgagcgv
359601 ctgcagcgtc atggcggtcca gtatatggtg accaaacacg gtcagatgcg
359651 tctcgcagtc agcgcctcgc tgcgcctcag gctgcactc gttcatcgtc
359701 tgcagcaacg gactctctac aggcgcggcy cgtatgcgoc cgcacaaacta
359751 gctatcgccc tgtggttcgg ccatgatcgg gtcagagcga aagacatccc
359801 tctcgaagcy agt tggcga tgaagcttgc ggcgttgcga aagacatccc
359851 catattccgy gaagtcatcc cgtatccggy ccagacgcaa tctgttcggy
359901 tttctgaaca gctgtgatc accgctgact atgtcgtgt gtcggcgga
360001 tctgttagga aatctgttgc ttcctcagac gcttgcgttt tcggtacccg
360051 acatagtcgy gtcgggtaga tagtgcgga agatgtcgy cgtatagga
360101 ttttgggcca agttcggcct gatggctcag gcttgggcca ccgcgcgcgc
360151 cagatgtggy gttgtccoga agcgcgtcgc gcgctcgtg cggcgcgga
360201 caatatgcgy tgcgggtcgc tgggttcgga gctgcactc agtcggatga
360251 gctgtcagty cctcgcgcga atcctgagca atcggatgga cgcgtctctt
360301 gcgccttgc gctcgcgaga gcaactcgy gtcgcagcgt tccaactgaa
360351 gtcgttgcg gttgagcggc gtagcttcgy agaccccgcy gcgctcctt
360401 gccaggaaca gtaaaaacgt cgcgtcagcy cgcacacggy gcgttcttgy
360451 attggcgccc tcaattgagv cgtcactctc ggccttggty aggtgatgcy
360501 tcaactcgat gtcgcccgtt tttatgggaa tgcgcagac gcttggggy
360551 acacggaggy acccgggatc ggcggcgccg acatgggtga agaaagatgc
360601 gatcgcgctc agggcgggct gtcgcgtgcy gctgcgtgty ttcctcttct
360651 cctcaggttc gtcgagaaac ggcgaatgca ggttcagatc gactctcgtc
360701 agcacagag cgcgcggctt cctcgcgaa cgggttcgcy caaagaggt
360751 gagcatgcgc aaggcctcgc gatagctgcy catgttcgcy ggcgtcggct

```

09939964-002704

360801 tgcgttgttt ggtcaagcgc cggcgaaagt aggaactccg gagcggggcc  
360851 agggagt aagt gtctgcacat gctcgccctc catcgaggaa ggcgcgtcc  
360901 ggcggccatgg cgcgaagatc caccgagcca gtgaggtagt aggcgtgtgc  
360951 actgtaattg ggcgtggcga gataggtggc gagcacgggg agtagccgat  
361001 ggcagcttggc ggcgtgttga tgcacaaggc tcatgggggt caccggcaac  
361051 cgcgtgcgcga gatcgtggcg ccgcacaagtc ttgcgtcatc caaggcgggc  
361101 gaacttgccg acctgagcaa atccgcattg caagccagtc gcgcagaggg  
361151 ggttgccacg agcgtcggg aagaaggcct ggtccctggg actgggaaa  
361201 ggcgcacatgc gctcacgggc atagcgacaa aggcgtgttt ggtgtgcga  
361251 gtaaacccga accgagccgat ccttgccgaa cttcgtcttc cgaaccatga  
361301 gaaccccggt accgcagtcg acatcggaac gatcaagcct gaacctgtgc  
361351 ccgcacccga gtcccgcagt tgcataagct cgcatacagc tgcctatcgt  
361401 cagccccctg agagggatgc ctggcgcaat gcggggcgat gctcgatga  
361451 gcgacgcgaa ctctgcctgc ctgaggatac gtggaggggg aatgcctgtg  
361501 gatctaggaa aggcctctgc cttcagggct tcgggtttgg cgtcatagac  
361551 agcgagatac tcgtagaatc ggccggagcgc gcgctgacga gtggcggcgc  
361601 tcttgggggc gccgcgcgac gacaggagca agtccagcgc catagtccgg  
361651 gtcggggggc catcgcaatt agccggttca acgtagcgga cgaagccggc  
361701 caacgtgcgc gcttgtttgc tgaaggcata gcgcagcgag tgaacgatgt  
361751 cgcgttaacg ctcgaacctc tgcgcggagg atccggcaaa gcgcgtcagt  
361801 cagcgcctcc gcgaaggggc agtgcgaact cggcgagctg ccgagccgca  
361851 acctttaagt acagcgagtc tgcgttgatg gacaagctgg gtggagagc  
361901 ggcgcacctg tctgattggc ttgcgtggcc ttgcgtggcc ggcgcgttc  
361951 tctggggcgc gacatgtgca cctgcgaccc gccgcagttc gccgcgcga  
362001 tctgcgaatc gcttccctca gatccttgat acaggcgccg cagacttgaa  
362051 cgtcccccgc ggcggcgtag acgcaggaa cagatacgga ctgtccactc  
362101 tcggttcgag cgcgcaggatg tagtcgagca gtgcggggcc cttctctcca  
362151 aggcgtggca ccaaccgac cgcgttgccc ttggtggccc ggtataaaac  
362201 ctgcgcagta cgcacgtaga tctactggcc cgcgaatggc cgtactcgc  
362251 cgttcggaat gcccggtgtg gcgcagcgca gcagagcgct tcgactcggc  
362301 atagcgcgc ggcgtcgttc gcgcgtgcgc caacgcgcgc tagggcgtcc  
362351 caaccatgca aggcgcgggc gcgagtcggc ctcggcgagc ccaacatgag  
362401 tcgggagcat gcgggcagga tcttggtgat gctgcgcgtg gcggcgcca  
362451 aacgcgaaga atgttcgaat gcgttcgaat agcagcgagc gaactctcgg  
362501 ggttcgcgat agcgacagcc gatgctgac agcagcgagc gaactctcgg  
362551 cgtcacaagc ctcaagattt tggccggggt ggcgagtgcc gacccaatcc  
362601 aaaaagcggc ggcgcgccag agaatcaact tcgggggtct tcgggtccag  
362651 gcccgctacc gtgcgcagat agtcgcgaaa ggcgcgcga agcagagcat  
362701 ccgggtcagc cctctcaatt ggcaggggaa taatgaacgc ctcggggagc  
362751 actgcgcgc cgtgtgcgac agcgcatacg gcgcgcgcgc gcggagctatc  
362801 cgtgtaaac gcgcgcgaat gcgaactggc gacactctga tggattggga  
362851 tcagccaca tcggtgcgag tcgctattaa ccgagcgtaa gaaatgctc  
362901 agttaaatc tggcggaagc caccgagcgc accgcgaact agggcgttga  
362951 ggcgagggga tcaatctgc caccgagcgc accgcgaact cctccggaat  
363001 gcaacccagc atacagagaa tagaactgca gcatgttctc cctccggaat  
363051 agcggcgggc ggggatccgc cactcatcca agaggacga aatattatgt  
363101 ggcggagaaat tccagattag gcgggcctgc gctggcgctg ggcaggtgtc  
363151 gccacataat ctgcgcgggc acataagaa ggcgtcgggc ccgcgtctcc  
363201 caccagcgcc atcaaaagc cggctccctc cgggaagtgc accggtggc  
363251 acgacacatg aaccacaaact ccggagcgca tcaactagat ccgcacccgc  
363301 ggcagctgga ggcaggtgga tccggatgca catcgggcgc ggcgcgcacc  
363351 accgatactg ccacgcagat ttccacactc gaactgcgca cgcgttcaaa  
363401 ggcggtgaac ttgactggcg cgggcgcctc cctcgtcaat ggcgcgcaca  
363451 ttccgcgaga gcgcgcctta cgcgcgcgc catagaggtg cgcaggtgtc  
363501 aatccctgag accgcgcaat cgcgcgcaca ttggcccccgc gcgagagdcg  
363551 ttccggagca agctgcgcct tctcctcgtc cgcaccaatg cgcggtctgc  
363601 ttcggagcgc caccggtctc gcgcgcagga cctcgaaatg tcatgatga  
363651 tcatgatcca cactgtcgtc cataggtttc tccgatgac tcatgcagag  
363701 aatgaacgtt cagcggcctc aaagataagt ggggtgaact acccgctaac  
363751 ggcgaatgta atgtctgctc tatctagtc cgcgttgcga cgcgcgcacc  
363801 ggcgtcgtga tctcgtttgc aatcaactga gcggtgcagc cctcagcttt  
363851 cctcgtccga agcagagatg agtcaatgga atcatgaag tccagatga  
363901 cgcgaagatc accgagatg atgtttctg tctgtatgt accaggtgtc  
363951 gtcgaataga ccaactgatt gatccaact cgcgttgaaat tatcgtata  
364001 gcgctggagc gcgcaggggc tacagcaagc acatatccaa ttgcgttaca  
364051 gtaatacaca tttctgacta ttggcgttcc tggcttaaca tacaatttga  
364101 cgtccgcgac accgggtata gtcgcgcgcc ggttgatacc atcaattgaa  
364151 tcaagtgtgc catcgcgac cgcacataag gatcgggggc tgcgttgtgc  
364201 tgcactgcct ttcgacaaat tgcattgttc accaataga agcttgatg  
364251 gcttcgcgat gagtcgagc tgcgaagcca gctgaacaaa ttgcgcata  
364301 gttactgga actcgcgggc gttagcttca ataaagctg gacgcgcaca  
364351 ggtccacagc gctcgcagat tgcgtgtccc gcgcgaag cgcgttgccc  
364401 ggcggcgagc ttgcacacgc tcaacagatg gctcgtctg cgcgttgccc  
364451 aaggtgtcag gaaaggtcaa ctggcggaac acgcaatgc gcggtgggc  
364501 ataactcgtg atgcctatcc caataaactc gttccctatg atctcgggca  
364551 tgaattagg gcacatccag aactgctca ccaataactc gggtagaagat

002701 00299696

364601 ggcacacatgt gcttcccgcc caatagataa tctgtgtgtt cagctagctc  
 364651 ggcagaggtcg ggcacacagg ggaactctctg gctaacogctg cgcagctgag  
 364701 gcttaagatc gcttggcgag cgcagctctctg ctgcacacgca tctgactctg  
 364751 cgggtctgtg tgcgcacggc atagacagcc acgggaactc cggctgcgct  
 364801 agggactctga cgttggcgcg ccttatgca gcaattgtcca attgattccg  
 364851 gatcagggtcc aggtagattg aaattccgac agatcttggc aactgtgcga  
 364901 tagaagacct ctgcggcgaga tctaactccg gctatgtcga aactottacc  
 364951 cagcggagaa tatttcgcga tcagagcacc caaatttgtt gtatcgagcg  
 365001 gagcgacttc aatgcttcc gcgcggacac agtcgtaaag tgcgtgactt  
 365051 gcgcgcagga ttattggatg tagcgcgaag cgcgggacgg cttctacgta  
 365101 cgcagcggcca ttagtccggc ttttttcaat taanaatgag gottttcgca  
 365151 ttttactctg ctctctggat acgttctctgt ggtgcggccag gogatctgca  
 365201 ctgactgttt cagcogctga ggcgggtggcc cactcccgcc tctaactgac  
 365251 cctgcacgct gaacatgatt tcccaactca cggcgacctt ctgacgtatt  
 365301 gtgcgtctccc gacatgatt tcccaactca cggcgacctt ctgacgtatt  
 365351 cgcagagcacc ttgagaacct cgtcggcagc cgtccagagg agccatttgt  
 365401 cgtcgtctat tctaatgtt ggcacacgaa ggaactgacc atggggctct  
 365451 cgcagcagct gtcctgatcg atogaattt ctctttttga tgcatacttc  
 365501 ggcacacagt gagtagatga aatcagggga ccagttccac caagcaagcg  
 365551 cgaatgcagc ggcacacagg ggtgctagca aaccagacc cctaagtgct  
 365601 tgcgcgaacc acatgtcac cgcgataagcg actcgcggc taatgctgct  
 365651 agcgtctgggt ggttaacaa gacacgttga gttaggcct gatttgccga  
 365701 cggggtccgc aaagcaggcg cgcagcgact ccagatgctc aacaggtgtg  
 365751 gttttgggaa gatcgtatg tgcgaatgcc ctctacggg cgaactgttc  
 365801 tttttgcca ttcttcgaa tccagagga gctctcagc gaagatgttc  
 365851 agtactctgg attagaattc gggatagttg gatatttgc tggaaatttg  
 365901 ctggtgatcg ccacgtactg cggaaatcg tgcgcacatt ccaatttgag  
 365951 gctcgtgttg cgggtctcat cctctgcgca ggaatgtac tttgaaagt  
 366001 caagtctggt caagtgtct tgcattgttg taaccccgct ttttatgcat  
 366051 cggacggctc tttttctaaa gctctggcca acgctggat actcgggat  
 366101 taggtggggt gacggggggg cgggtctcgg gcttcgaag ggaattagta  
 366151 ccatttaccc cggcagccccc tagcgtttct gaatgccatt aggaagctgt  
 366201 caacggcgga gcaaggttgg gcacgagaa ttgttcgata taggcgcgga  
 366251 agcgtatgtc atcgggatag aggaattgac cctctctatt cctccaccca  
 366301 tggactggag tgaattgag gacgtatgca tccgcggcg cactccacac  
 366351 agtcgcactt agtcgcact tgcggcgagc tttaactctg ccaagcgttg  
 366401 cggcgctttt gtaacctcgg caggcttttc tccgtgaagc gtgcagggat  
 366451 gggcgtcttt agacgttgcg ggcacggagg tgcgcagag cggcgatgat  
 366501 cctctagcca cgtctgaatt tgggttcgaa tggctccagc aggtcggct  
 366551 ttttgggtta ggttagtccc gtcgatatgg cgcgcagcgt ctgcggcgct  
 366601 tctctccccc cctgcagcgg cgtcttcagg ctgcaggtga atcgtcgag  
 366651 atcgatggcg accggttctt cgggcgcgca ttgcagccc ggcgatgcg  
 366701 cgcgtttccg agctctctct gggcgcagcg gatgccgca acaacagcca  
 366751 cgggatttcc cctttccagc atgcgtcgtt cttttggctt tcaagatgat  
 366801 cgcgtacgtc gggcgggtag ctctcgtctt ccagcgctt cgcgaacttc  
 366851 aggggaagag gctcttcggc tggatctacc cgtcagtcgt catggccggc  
 366901 ggcgtgtcgg caagcgacag gactcgtccc tgcaggggag gaattccg  
 366951 caatagcagg actggatcga gcccgggcta gatttctctg agacggagcg  
 367001 agctgcactt taagcgcgag cgtcggcaat caggcgtgta tgcggcgttg  
 367051 ctggggcgac tatacgtctt ggcgcacaga gcaacgtcgc gctgcttgcg  
 367101 cattaatttg aagatggctt gaagaagtt cagcaacagc cgcgtgtagc  
 367151 ggttagagctt cgttagcagg gtcggcgccct ccagtccttc gaacggagcg  
 367201 tatcgcacca tctcgccgac caagcgccca tttctctgct cgcacaaagg  
 367251 cggctcgttc ttgcgcttag gggcgcgagc cgttagagcg atgttggggg  
 367301 cgtcacata cgtctccagg tctcgttcat gaagcaggtg tctgttgcg  
 367351 tatccgggag gaaagcgcg agggcgaggt gcttgcgaa ttcttgagc  
 367401 acactctccc acagtctgt ttcgcacccc agacggggcg cactctcgt  
 367451 ccagccagctc ggcgtctgtt ggcacaaagg gtttgatga agcttgcgcg  
 367501 agccctcagg cgcgaatggc cgcagagatc cgcctcgaca aaactgggag  
 367551 ccgtctatcc agcgcgcgca cgcggcgccc cggggggccc caacttgag  
 367601 catcggcgag actaagatag aatctcatcg ccccttcaat ccaagcaca  
 367651 aogctatctc ttggatggcg caagggcgct gagctatgcc tgcacttcc  
 367701 gctggcgctt catcggtatg cgtctccagg cctctcgacc catcagcgac  
 367751 aggcgggaaa agcccatgag catatccgta tgcacgggtc cgcagcgagc  
 367801 ctccacacg atggggacag ggaatcatcg cgtctccagc cgcagcgagc  
 367851 cgcagcgagc gcatcagttt cgaattgata ctgcgcctcc agggcgagc  
 367901 cgcgcggggg accatgctgt accatgctgt cctctctgct cgcagcgagg  
 367951 gcgcggcgcg gctcgggtga taacgggccc ggcggccctg ggcgatgatg  
 380001 tgcgcagagc acgtgtcttc aaagagcggg ttgtcgcgtt tggcgcgctg  
 380051 ctggaaacga tcatgcatcg catctggggt gacgaaacgg agtttttgt  
 380101 ggcgcagaaa agagggtctt ggcggcgctc aacgtgctg attgaggct  
 380151 cgcgcgcgag catggggtct cgcacacgaa cgggtgaggt gaagatcttc  
 380201 cgcctcggcg ggtatggatg tctctgcgac gaagatggat gaggatgtt  
 380251 cgttcgacag gctgtccggg tgcactcagt tgcgttcagg gctctctcta  
 380301 aatttagctt agtgcccgct cacaacggcc tgtttttgt gaatttcaa  
 380351 aggtttcttg cgggtgcagc cgtgtttctt ggaagcgta tggcgagatg

09939964-082701

368401 ccattgcagat tatcacccaga agagcagatct ggcggcaatg ggtcatgggg  
368451 tatccgcaga cgcctgcgggg ggtttgctgt gaacagtgcc agcacaagggg  
368501 agtcagggtg gcgcgagggc ggtccagagg gagagattgt aagccgcggc  
368551 cgaggaccagc acataagcct tgaagtgttc gaggcgcgtc caggtgcagc  
368601 gccccaagcc ataaagcggt tccagggcaag agatgcgggc gtccagtgcg  
368651 ggcgggaagt ttctgagctt gcgatagacc cagccagctcc tgaccatgtc  
368701 ttctgattct agaccggcgt tcttggtaga ggcacatgtg cgtatgcgc  
368751 gggctttggc tccgcctcaga ttttcggcgc tggcatagcc gcctgtggcc  
368801 gcgcgcctgac gggcgggctc gcggtaaaaa gcgatgtggc gtccagatc  
368851 cggcagcagc cgcctgcgtg cggcggggtt gcccgcttgc atgcagaagt  
368901 cggaggatcag tccgcttggt ccggtggtca gattgagtt ttggcgcgtg  
368951 tcgacgtctg ggcgtccctt gacgatgatg tcgacatgag cgtccagacc  
369001 gctccgcagc tcttcgcgag ccgcgcacgc ctcggcggcc gcgcagact  
369051 gctccgctctg ggcataagac cgtccatgac gcggtgcagg gccactgtcc  
369101 tgcgcctgcc agagtctgac cgcggggccc gcggtgagga gccactgtcc  
369151 actcgcctgc tgcagatagc tcaaggtggt gcgcgcgac ttgacagctt  
369201 cgcggtagtg cttccaccgt ttcggggcac cgcgggtata ttccatgcgt  
369251 cgcgcgcgtc tcttcgcgcg gcggcagtgat tctgtccatg ggtatggcgt  
369301 acccagtgca ttagcgtgct gcaacagtg cccatccacc cggacagcgt  
369351 cccataacag gctgctgtgc ctcgggtcat ggttcgggtg ggcgtgagc  
369401 gtgctgtcca cgcgcacgac cttgcgcgtt tccagtttct cctgcggggc  
369451 gctcgcgcagc agcaccgggt tgactctctc aaaggtttgc gcccggtgct  
369501 ggtgatttgt cttgtgcagc accgacttct tcgggtttcca ccccccgcg  
369551 aagcgttgca agcggggaga agagggagag tcttcgaaat gggagggcag  
369601 tctctgtagt attctgacag gagggttgca tgcagatccg cgtctgac  
369651 aagtgtgtgc gtttccatcc aacaccttcc tctggagagg ccgacatgct  
369701 tgcgtgcgaa tgaacgacct gaagcgcgca ccgctatccg cattgatt  
369751 ggcgcaatct tctgtctctt ggaactcagc cgttcgaaat ggttaatacc  
369801 ctcgctgtgc cggggggggc gcggagaagt gtcgaaacat cgtgttgagc  
369851 cgcagacatc cgcgggcctg cttcggcggt ttgcggagct caagaggag  
369901 ggcggggccc ggcacggggc ctactttccc accatctgta tccaggagga  
369951 cgggctcgac ggtctctgga tccaccgggt gctgcaggcc gaggggatgc  
370001 aaagccacgt cgtgcgtcgc gcccggttcc gcacctgcgc cgcggcgggc  
370051 cggggccgaa cgcacagagt cgcaggttag accgtgggtg gccgcgtgct  
370101 ggcctataaa ggcagagcgt cgcgctctgc cgtgtgagct cgtgtgcgca  
370151 gcggccagga gggagagcgt cgcgctatcc cgcgtgagct caagctgtc  
370201 acgaacgagc gcgtacgcca cgtcaatcgc atcaaggccc tgcctgttcc  
370251 cccaggcgtc tccgggtacc agccgctgcg cgcgcacggc gcgacggcgc  
370301 tcgaggagct gaggacgggc gacggcgac cattgcgac gcattttaag  
370351 gcgcaggtgc gccgcgaact cgttcggctg gacgtgctga ctcgacagat  
370401 caaggcagtc gaggctcagc gcgaccccat gctcgtgccc cgcgcggctg  
370451 gctctgcgca tttcgtgat ttgtgagcag cggcagcggc gatgctgctc  
370501 gccttgaaag gcatcggggc ggggtttgac cgtgtcttgt ggttcgaggg  
370551 gctgtgcggt catcttgaca accgagcaca gtttcggcc tatcgagggc  
370601 ttgcgcgac accctggcag agcggttcgg tgcgtacga ccagggggtc  
370651 tcgaaagcgc gcaatccaa gctgcgaagc accgtgatcc agggggctg  
370701 gctgtggttg cgcactcagc cgcactcagc gctcagctg tggttccagc  
370751 agcgggggaa gcagaaagat ggtcgtctga agaagaaaga gacgatgtg  
370801 ggcgtgcctc gcaagctact cgtgcgctg tggaaatac tcaatgcggc  
370851 cgtcgtctcc gggggggggc tgatgaagac cccctgatcc cgtatgcac  
370901 cgaattctg caactttcca ggcacggatc agtccctggc gatctaggt  
370951 ggcagcagc cagtttgagta tggcttcaaa cgcgcgttga tagaattgtc  
371001 tgcctccctc gaccccttgc ccgcgcagc cgggagtggt gttccgtgt  
371051 ctcgaacagc gacgttatat aagttggatc tgggttggc acgagcgggc  
371101 tcttgcatc gcttgacga cgtgtgacg gcacacagc atggagaca  
371151 aaaaagtc ccttgacgac cgttccact tgacgtctcc catataaac  
371201 caactgggga tgcgtctga gcagcggcca gcgcagcaca gctcggcgc  
371251 gcagccctcc gcggcggtc tctttagggc catcggcgcc caggttccgc  
371301 gtcacagccc cgcagcagatc gcgatgtca tccagcatt gcgacatcac  
371351 cttcagttca cgcagcagat cgtgttgggc gaaagatgc aatgatgtc  
371401 cctgtccagc cgaatcgaag aattgacccc cctattgtc tccaccagga  
371451 atgttaactga agttgggggc attgagatcc gggcgcgcc ttcctaccca  
371501 gccatcgaga tatgatctgc cgggctattt ccatgcgcca agcgttgagc  
371551 gccatttgc cgcctgcgag cgtttctgtg gttgaggtg gtagagtgcc  
371601 gctccacag cgttgacga cgtgtgtg gcgagagc ggtatgcgtc  
371651 caagccgcgc tcgaaatgag gctcagatc cgcagatgc tggcggtt  
371701 ttcgggttag gtttggtccc cgcagagggc cgcagatgtg tggcggtt  
371751 cctcgcggcc tgcagggctg tcttcaggct caggtgaaat cgtgcagat  
371801 cgtggggagc ggtttctgt gtcggcgcat taaagccac gcaatgcacc  
371851 cgttttccga gctcctctg ggcggcagca attccggcga acagatccac  
371901 cgtatcttcc ctttccaca tgcctgcgag ccgtcttca tggccttgc  
371951 ccacacggga atgggcaacc accccgggc ataggggga cggcggtg  
372001 gtagcgtttg agcagcgggg cgcgcatgct gttcttctc cgcagctga  
372051 agcaggtg gcacagattg cgttagagac gcaaccgct gtagagagc  
372101 caaggcagc cgtcctctc cgcgcgggc agcctccgt aagcagacg  
372151 ccgtgcagc atcgcgcgtt tcttctgtc gcaaccaagc tgatgttct

03939964-082701

372201 ttogatacgc gcgcgaacgg gtcacotcca atccctgact tgggcaacag  
 372251 cagaccacac gtctgttcat gaaggcgcta togttttoga agtccacgoc  
 372301 ctgcgcgggg aatggaacaa gcgagcgggc ctgattgagg gcagcgataa  
 372351 cgagacggct ttgcgcggtg cggactggca cgcactcggt ccagcccgta  
 372401 cggatatagg tttagaacat cgtctggcac aaactacggg agcagaaggt  
 372451 ccggacatga gccacgaagt cgcactcgac ataacccggg agcggtatgt  
 372501 tccggtccgc gacagtcggt acgggagcgg agccggcaac agcagaactc  
 372551 attccagcgg gcgcgcgctg gccacacgca gccacacacg gtactcttga  
 372601 cagcaacccg tccatgtctg ccgcactgac ggtcagtagc ttatccggaa  
 372651 gctcggtact cagatcgagc cggccgtgac gctcaagagc tggcagcaaa  
 372701 atcgggtatca gcgggttcag acgttttcag cagagcgcat cggatgtctc  
 372751 ccacagagcc accagcgctt ccgcgaacct gggacccata ctgacagatc  
 372801 attgcgcgag gccagggcgtg tcgctctcac tagggggag cactcggatc  
 372851 gcatcgcttg ggtgatcc ggttaactcg acgaactcat ctaggatctc  
 372901 ttgctgttcc gccccagagc tcgatcgata tcgtttgatg atccgctoga  
 372951 ccagtccgtt ccgtgtcgcc atgctgaccc gcctggcatc ccactccccg  
 373001 agccggacga gcgagaccat gccatcccat cgggagcctc accactatcg  
 373051 gtaacatttt gcttgagcca atgcccgttc atttttcat ttccgcccgc  
 373101 acgctgggac ggttggcttc tggcggttg tcggctcgg cggttacggg  
 373151 ttattcttta gaatcagtag ctgtgatcaa agtatacctg agcccgccga  
 373201 gctttgcggc ccgagatata gtgattaata caataatttc agcagtttaa  
 373251 cgtttatgga cggggcactg tctagattag acgcgtgcat ttctccgacc  
 373301 ccatgggtgg agggccaggg tgcgatcc ccgaagaana aaagacccg  
 373351 cggagaccat ttcaacgcta gccggaaagt aaagctcaaa agcgtttgac  
 373401 cacaacccgc gaatagagaa gtgctcgca caggagtgc agccttcagg  
 373451 tcatccggcc ttcccggtg gatcccgta gccctcgcca agcgacgatg  
 373501 tggtagacca gtgcgcatgc gttttgcacc acgtcccatc tatagcggtg  
 373551 aggtttcgca gccggtgcaa cgttgatcta gcccccgatc gttgctgagc  
 373601 gaggatgga cagcgtgcca acgctggcca gccacagatg gatcccgccc  
 373651 aaacggaata tagccgcaaa cgaattctgt atcaatccc cagcaatggc  
 373701 cgtctcctagt gggagacccg ctgggtttac gcttatcgaa atgacatca  
 373751 ctgcagccag ctgtccggga ttggtgcggc gttggcgcaa ctgtcagcat  
 373801 gcgacatcaa taggacgga cattgcgcca gcgagcaaca ggcagatgtg  
 373851 caggccacgg aagccgaatt ccgctgcaat gggccacgtg gccaaaatgt  
 373901 ttacggccat tcggcggttc ataattgccc gctcgcgccc agtggtgacc  
 373951 agatgtccag cggagagcgc accaacacct ccggcgatcc cgcacagagc  
 374001 ccataaagag cctactatcg tactgcggcg cggcaacagt tagttaccgg  
 374051 cagcagacac cggatgacc ccgtgaaggg gccccatgt catttgatc  
 374101 acgctcggtg agcgtgtaac acgcgttaac cgtgggtgac gccacccac  
 374151 ataaatgcct ttgatcgctt ggcgtagcaa agatgtgcgt ggggatgcga  
 374201 gccctggcag gcgctggacc tgggtaagc agaccggccc acctgcgacc  
 374251 gccgcagcga tttagacatc cgcagcttct ggcgcgagcc atccgcagag  
 374301 tccgcgcggc atcgccggcc ccaccacatc gacgatgaa tagaccgat  
 374351 tgtctagcgc attgcgctga tcaagcggtt gttggtgaa gactcggggc  
 374401 aacagcgtgc gvatccagc aatgcctaa gggccggcta gccaaaatgt  
 374451 catcgccagg gtgcatacga ctggaggaat ggcacaccca agccacccg  
 374501 caaggtcaat cgggttaatg aagccagtc tagcgatcat gtcgactctt  
 374551 acbgatgatg tcggtctcac gccatccagc aaacacagc cggcgggact  
 374601 taactatgga cccgggcaaa ttgctgcaaa tgaacgcac ccgcggcaac  
 374651 ctggtgagca aaacgcggcc agccgcacaa gccacatgt gaggcgaaac  
 374701 atgctccggc ccagggcgga caaggttgca gccagaagca aggaagatgt  
 374751 gccaggtatc ttgaaaggcc ttctgtatga aatttgtgt tccatgttga  
 374801 cctgcacagc ggcgttatgt tgggtgcagt ttacgagaca tccggacgtg  
 374851 ttactggggg gccgggttct ttgagacaca cgcacagttc aagagcagcc  
 374901 tatccgtaga cgcgcacacc ttcccgcttc agacaatgg cactgctttt  
 374951 ggccgtgtcg ccagttaaac aagttagtg ttctgattct tttatagact  
 375001 cgcctccagc cgtgcgcgca tgaataagg tgaatatgaa aactctcccc  
 375051 agcatccagg ccggagacacc cgtctgcctc ctctccaaag cttaaggatc  
 375101 gaggaaatc gaagcatagc cctgcgcaaa actacacag taatagggtg  
 375151 cagagatggt cgtctatgct tgaactcttc caagcagctc agtcgatta  
 375201 tgccttttgt ccagttagtg cgggtgcgca ccacatgutt atctttctgc  
 375251 tcagcatgat caaagtttgc cgtgtatctg gtaattgttg ccccccagta  
 375301 gcgagttgaa gaatgcocaa cgtccagagt tttagcgatta ttgtccatga  
 375351 ccgcgcagct ataattoga ctgggaaga tcgctgtcca gcgcgcgtgc  
 375401 gctcggttcg cggcatgcca attcttgccc gcttggtctc tcaattggca  
 375451 caggccgggg tacaaaaaac gatcgtgttc gctattagat gttatcggga  
 375501 cgttaaacgt atbtocaaac accgcacgaa gcgcagtgag ctgctgatcc  
 375551 gtatcatgcc gcccccgggg tcgtgtcgcc ttatagatct agcaactatt  
 375601 accgaatatg ctgagttcca cgttcasgtt tttagttcca cttgacagta  
 375651 gctactgaga gaaagcatgc ttcaacgttt attcgatcca tctgacggcg  
 375701 atatacgggt agtaagcaga tcagacgcca gacgatgctt cgttttatgt  
 375751 gggcatattg gagccgctct tactgcctat ttgcocgggt actctcccat  
 375801 tcgagaaggt gctttcgag acgttagccc cgtcgggact tataaatttg  
 375851 atccgcactc tctccgagag attgctgta tccgcoccca tcggtttaat  
 375901 gacgatgtgt agttcttoga saccgcttta ggggttcaac gccatcaaat  
 375951 ttacttgatg tatcccgacc ctcacacagt aaggagagt atgatgcga

002280-199699

376001 cggatcttga gggggcaaat tttgggtcta gttccagggg cgaacagttt  
376051 agtatacttg aaogattgca agogggggaa tggcgatata cagcagagta  
376101 ggcatacttg ctctgttaac atcatttttc tccagctcca gtatgtgaa  
376151 gactgcggga acgttttgcg gacotgtctc attctcagcc ctccgacagc  
376201 ctgcatactta tagcaagctc ctgggaaagt acagatcttc cggctcgaaa  
376251 tggtaacggg gtttaagctg tgggagagtt aatgaagcc ctcttcaggt  
376301 acctgatact agataactgt attcaaacac caactctggc gcatgtaatt  
376351 gatgcgctgg aaocaaataa agtgagtctg tttagcttc cgcctgagaa  
376401 ctttgactta gacgtggagg ctttcgaaaa ttttgcaaaa agggcgcaaa  
376451 cgtccgtcgc tgtactggtc aaoccaaaca acccaacagg acogctggtt  
376501 ccggtccagg agatagaatg gttggcgctca caactcgcta tagagaagtg  
376551 ccggtcgttg gtgcgatgaa cgtttcataga gttttcagtg gcagggaaag  
376601 gaattctggg agagaagctt ctacagcttt ttccaaagat ggtcattctt  
376651 aaagcctagg gtgcataaat gggcctggga ggtgcccaga tggcttatct  
376701 tgcttcgaaa gacgaacaa ccccaacagg agttgcggg cggcttcogg  
376751 tggggaaact aaatggcact gacagatata tcccttggat ttgtgcagaa  
376801 tcttcggagg agtgggaag aagcttcgtg cgtactcgag cagactgtgt  
376851 gtctctctct cgaatttggt atactatccc ggagcttgag gtccactgtt  
376901 cccaagcaaa ctacctcttc tgcagaactc ctgaggtctg gccagtgag  
376951 aagcatgttg ccaagatgct tgcgaagcga tacgggtgtg tggtcagaa  
377001 ctgtgaaact cagtgtatga agtatgggta ccgataacct cgttgtactg  
377051 tgcataaccta tgagagaaat cgttaacctg tgtggcact ccgggggatt  
377101 aatgaagaa cgtgtagaatg gtgcacaaa agtaagcgg cgggtacggg  
377151 gctacttttg ggggtgctgat cttgaatttt ctgcagtgtg catgcggaga  
377201 atcctatgag cgaactgttc agtcagccgg gaacatttga gcttttgag  
377251 ggggcgcggg tggggcgcg agcgaagcgg cgggacggg cgggtcagga  
377301 gaaggaacgc ctgattgcgc agagcttgac ctgcccctg gaatgtccc  
377351 ggttcgaggt tgggtctgtc tccgaagatg gagacagaga accagcgat  
377401 ccggttttga cgaagcagatc atggcatttt tgcaggagca cgggctggt  
377451 ttgtcggcgg tcgagctgtg ccgcaaatca ggtgtcacg accgcaacct  
377501 ctacaagtgg cacacagagt atggggcact gtaggctcc cgaaggaag  
377551 gctcgaaggc gctcgaagg gagaatgcca agctgaagaa cgtctggcc  
377601 gacagagatgc tggatgcgc cgcactccgc gagctcttgg caaaaaatgt  
377651 atgggtgcgc tggctcgtgc aaaggttcgc gacatcttga atgaaatc  
377701 agtttcgtc aatgtcttc gggctcttgc gacttggttc cgtttgag  
377751 cagcgctga cactgcaca tggcgttccc aataatgtt tggggcagca  
377801 agcccgcttt ttgaaacagg acttatacca acgagcgggt atcattgac  
377851 atgcgcccat tgcggagtc cagggaact gatctccaa cggatggcga  
377901 cgaactgttt ccatgggggc caggaatggg tgcagatgtc gtgcagtcc  
377951 ttgaagatac ggttggagag cagattgtgc cgcataact ccacagact  
378001 ttgactggg ttgagttcgc gtgagcggg cggcaggaa ctaaggtga  
378051 tgttgtccgg caactcagt ttgggctga cgtgcatac ggcctgagc  
378101 agagtgaaca ccgatgggc gcgctatgc acgctccgg cgaatcggc  
378151 gaggtgctcc tgcattggct cggatgcga atagggcag accagggc  
378201 cgccttttc ctccggggg cagagggcc cagagatga ggcacata  
378251 tctggagggc tcccgcttgc aaggttttc tgcagatatt ttgacggga  
378301 tgccttgctt ccatatgtgc gggcttttgg tgtgtgcga catgcaact  
378351 ggcgaagatg atttcggcaa cgcgtatttc taacatggtc tgcacttta  
378401 ggggtcagtg ggcctaaggg agtttaacgc gctttggatc gtccgatgc  
378451 atcatctgct ctgcgttgc agtttaacg catcagctca caoggtaga  
378501 ttttgttctt gctaacgtg gtggctgaac ttttatgat ttgcgctg  
378551 gctctttgoc tggcgatagt actgcggct cgtcataagc ttgcgcgaa  
378601 tccggcgcaa ctgtttggg aggttcgga caaacact tggccttgc  
378651 cgttcagga cgtcataag catgcagag gctggcgtgc tggccgtgt  
378701 tctgacttgc tgtagaagag atgtcgccc aaacacaaag atgtccgca  
378751 acatttgtc gccagccggg gtaattgac caagcgtgac ctttcggca  
378801 gttgaatggt ccttcggggt cagacogctc catgctgcaa agtcggcgg  
378851 cgtattaaac attogaggt cgggtgtctt catcaagaa agggagggc  
378901 ctatccgggc gacacccggg atctcgcca ggggtttgct gcatctca  
378951 gcaagatgca acttcatcaa cttttaatg aggttttga ttgtgcaag  
379001 tagctcggg tatctctgc catcgacgc gaagagatcc tgcgcagtt  
379051 ccggtgagga agggctcagc gaaatggct ccaatagcc ttgcgtggg  
379101 cacttgctct tggcgcaac ggtgcataa tggatggaa aaocggaa  
379151 ggcattggg agtctgtcc gattgggat gagtctctat cgcatacga  
379201 ccagcattaa agccgcttgc tgaacggc ttttcaatg caagaagcc  
379251 atggttgggc ggtctattgc ctcaacaat gcttcogaa ccggcgatc  
379301 gttcttgccc cgtttcaact aaggcttggc cagttgggt gctataca  
379351 ttacttcatg gcgaacgaa cttaacagcc gtgcccagtg atgtgacca  
379401 ccgcaagctt caagtggat aatggtggc ggtgtttct cgaagaact  
379451 cactcttccc cgggcggaca cgttctaac agggattggg tctcaaacg  
379501 catctcaac atgcatttg agtagctct ttgacgata catcaact  
379551 cgttcaatg gttcccttc cgttgagaa cttcaacg tctcaacg  
379601 ctactctgg cactatgat gccgttggg gccgtccac tcaactggt  
379651 gcgctgacc aaggcgccg atggtctggt gccacgaag gccactggg  
379701 gctgatctt gttctctgg cctatggcg cttcgtggg ccacacaggt  
379751 tcatgtccg tgccttggg gagcgggtt cggatttcc

0939064-062701

379801 ggggaagtct ttttaaagc gctcacttcc agctcgttct gacgtagtgt  
 379851 gcgtggggcga gcgcacagct tggcaaaagcc gagcgcttcc aactcggggc  
 379901 cgacgcgtct cgtctccatc gagatgggga attcctggaa tatccaatga  
 379951 accaggttct tgcgcgcgca accgacaaca cagtggatcg ccgggtatcgg  
 380001 gcgctgtctg agcaactttg caagagcctg gcgctgagcg gcaatcaact  
 380051 tcgctggggc gccagggcgt ttgcaatcca ccaagtccatc gggggccggc  
 380101 gcgttgaaac gcaggaccga atccgcgaca atctgcagcg tcaacgtgcc  
 380151 gatcgtggcc gcataccgag cggggccggc gtcatagata cggggcaagag  
 380201 ccagcaaccg ccggggcctga ttggcactct tgcctggcg tggagagctgt  
 380251 cgagagcgag ctcccgcgaa atctcaacgc aacaaaccg ccgaaacccat  
 380301 cgcaaacctc cgtgttcgag catggatcca gatcgggac accttgggaa  
 380351 tccactgaga gctgaagacc gcgctggctg gtattcggc atgttgatcc  
 380401 actgttttgt catcactatt ccgagccttt gcaatcgagc ttgatcgcc  
 380451 agtgaaagc aggtctctct gcttcgtaga gcgctccagc cttgatcgag  
 380501 acgacccaga caatccgggc catcttagcg gcaagtgcga cgcagcattt  
 380551 gtagggtgca tccgagtttg aaggccatcc agccagttcc ccaatcgatc  
 380601 tcttgttcgg tcgagatgcc gaagcatgga tctggcgcca tgcacggaga  
 380651 gtttgogcac gtacgggttt cctcgttttc tgatgcggag aagctttctg  
 380701 tttccgcggg tcgagtattc gcgcggcaaa ggcgccagca ccgagctaga  
 380751 tcgcggggtt tttggacttg ccgacgcttg ccaatggccg ccgaggtatgc  
 380801 agtcgcaccc aaagctccga tcccggggat cgtcatgagc cgtcggagca  
 380851 catctggatc agtcgagctc cgtcatgagc tcttatgtcg cgttgatcag  
 380901 atgagacggg gcgcacaac ttgatgagac tcttatgtcg cgttgatcag  
 380951 gaaggtatca tgttgattgt cgtcggcaag ggtctaatcg tcttatgtcg  
 381001 gtgcctcgcg gacaaacagg gaagcaactt tggttgtcgc gaagcggcgg  
 381051 ggtctgcggc gttggcgttt ggtctccatg cgggaacgtc gcgatagct  
 381101 ttgcagcttc atttogaaga tctgtcgtg atgaacaagt cgtctcagc  
 381151 cggcaagcgt catggccggg tccgaaagga cggggttcca tctcgcagag  
 381201 ggctgattgg cgtttatcat gatggaacgc cgtcatatc ttcggggatg  
 381251 gagtctgaac agcacgctgg tttcggctg gttccttggt acgtgaagca  
 381301 gatcgtcagc gatgagcaga tcgaacttgt ccgagctttgc gatgggggat  
 381351 tcgagctgga gttccagcgcc ttgcgcagca agctctgaga cgtgttgatg  
 381401 gctgagcggc ggcgcacac ttgcacacat cttgcggcgc cggagggcga  
 381451 tggcggcgcc gagatggctc tttccgcgc ccggcggaac gaacggaggg  
 381501 atattggcac ctttggcgag ccaactgtcg ccggggccaa tggccatgac  
 381551 ctggggcctg gagacatgag gcacggcgtc gaagcggag cttctcagag  
 381601 tctttccggg cggcagatgc cctcggcgca ggtgacgttc gatcctgcga  
 381651 tgccgcgctt cagccagttc atgctggcg atggcgaaa ggaacggcga  
 381701 cgcagggcac ccttccagat cggcctgttc ggcacaattg ggcacacggc  
 381751 ttttgatcgt cggcagcctc aggtcattga ccatgatgcc ggccggggct  
 381801 tcgtcagatg ttttggtgac gtttttcatt cggcctctcc cgcataagca  
 381851 gaccccatca ggtgtccata gctattgagc gatcgagca gncatgcac  
 381901 gctgcacac ttgatcgggt ccgacccgga catgtctctc aaggccatca  
 381951 ggtcgggagc tttgcggggc tcgagccttc tggcaagctc ctccggcagt  
 382001 tccagctcgc aaccggatc atgagccagg gccacgaatt cgcagctgat  
 382051 cttgcagacc tgcggctcag cgaattgtct gatgagagcg tccgaagccc  
 382101 tgcgatattc cggccggggg aagagcttgt ccgatagac caggttgaga  
 382151 agcccatcgg gctttttggc cagagagttg atgacgttgt gatgttgac  
 382201 gacctggtca tcttgcgcgc tgcgtgggc ccgacctgt ggcacgtcca  
 382251 ccagatcggt gcgcgcgatg aagacgtcga ccagatcgtc aaacaacggc  
 382301 caacgcagcc gatggccgat caaacgggag gggagcgtgt agagacttt  
 382351 gcgcagagcg aagccgcggg ttgcggacac ggtgacgact acctctctc  
 382401 agtcgctcgt cggcgctcgg ggaagacgt cgcgatgcgg ccgctcggcg  
 382451 tcaactggct tgcactggc ggcattcgcg ccggtgacga tctcgtgat  
 382501 gaagcggcgg taggagcgca gatcgtcga gtctctggt ccgcgcatac  
 382551 ggagtgcate cggcactgcg tctttgagat ggcctgggga gctttgatt  
 382601 gagcggttct cgtgggggac gcccttgttg ttgcgcgtcg gctcatccg  
 382651 gtagtgcgcg caccagctct catagcgtt tctcagatcg accttgcat  
 382701 cggcatcgag gttcgggaag gcagccgaca ggtcttgctg ggtgtgac  
 382751 agccgggaac cgcgcacgca ccacagggcg tctcgcagcg cctccgcgaa  
 382801 cggcaggaag ctttcgcgcg caaggaatgc atgggggtgc tcaaaacccc  
 382851 acaaacaccg cgggaagtga tagacagat ggttcgagcg ttggccggcg  
 382901 atcgtcacgc tgaggtgcgc catgtctgta aaatccgaca gctctggtg  
 382951 gcgggctcgt cgtctgtgca ggaatcac cctcgtgtgt caaccgtgaa  
 383001 ccgcgcgcca tgacgggttg ccgcgctcaa gtgtcgggcg aatcgcttg  
 383051 ggcagttccg gatgcgcggc cagcatctcg tctgaacgg ccagcccgag  
 383101 aatgcgggga cggcgttga ggaagggaac gacctccgca tcaaatgat  
 383151 gctcaagcgg atcgggttga ccgcgcagcc gggcggtgtt gttctgcgac  
 383201 ggaaggcgct gctttttctc catcggaac ccgctgcgcc ggtgatcga  
 383251 cgccttcggc cggcggaact caacagagt cgttttggcg taactatga  
 383301 ataactcat ctgatgatg ttacatgvc gaacccgca ccaagtggtt  
 383351 cttcatcca gaaacccggc accgtagcgg gcgcgcggc atcatgagac  
 383401 gctcaaaatc tgggcgcggc ggggggtga acctcgtgct ggtcagccg  
 383451 tcccttcgtc atccagctc atccatgct tctcgtgat accctgagt  
 383501 ctcaactgtg ttgtcgcgcg gcaatctcgc gttgtagctc accaatgcg  
 383551 tctccaatt ggcgcagtc ggtgaacagc tctgcagaca cttacgcat

0993964-082701

383601 cgcgcagcaa aggtcggtttt gattggttct cgagaacdag tggcaggtcg  
 383651 agcttgaaaca gacctcgccgc ctggcgtagg ggcagcccggt gttcggagcga  
 383701 gaagcgctcgc atctgattga tcagacgcggt tctggttcgc atcatctggc  
 383751 cccgcacccgc atgcgaagcc cgaagatcgg cttgtctctc gctcttgatg  
 383801 gcacgaacatg atgcgcttgg tgcgctgggt gctcagagga tgcctctcgc  
 383851 atcgatgata tgggtgttgg tgcctcaggg cctgactctt cctggcaatc  
 383901 cggcgatcaa ggcacacttg tgcctcaggg cctgactctt cctggcaatc  
 383951 caccgagatc ctggcgacga ttccatcccc acgatcgccg gtgctggcgg  
 384001 cgcgaagaaac tgttaacagc tgcctcgctg gaaccaacc tctcgacatg  
 384051 gcacgcacatc gctcgcaggg cgcagcagctg gaataatact ttcgcgatat  
 384101 caattccgta gacagcgctt gggcgccgga gattggttg tggatttgca  
 384151 acctcctctg gtttgacagc ctacgaatgc ggcagggagg caaggcgagc  
 384201 catcccatca atggtagggc ctgcgcgcaa ggcggaagcc ggcgcgcatc  
 384251 tgaaggcgct catgggtctg tcggagcgcc gggcctgcca gatcatatcc  
 384301 cgtgcacaga aatgggtggc ctatcggtca cgcctataaa cttgaacgcg  
 384351 cgcgcacagc tctcagcggc ctgcacccca aggcagcga ggtcgggcgg  
 384401 aaggtggccc gacctctgga gcatgggat tcagagagca ccttacaaac  
 384451 tggaaagcca aatacggcgg catggtgctt tccaaaggga agcgtctctt  
 384501 tggccttagc ctttgccttt ggcgcgtag ggcagcgctg ccttaggatt  
 384551 aagatgctcc cctcgcaact gtgttcagct ttgtcgttt gagacttcca  
 384601 tgtgcgaata cccagagact gaggggcggt attcctgctg cgtggcgaga  
 384651 aaaaacgtaa gttttctccc cttgtctca ttcttgga cgcgcgtg  
 384701 attgactccc gtgaagcgc gtgggatgag accaactggt acctcgatt  
 384751 aggcacaaaa ttcgagcaaa tgagagtac agttacaga caaccaagga  
 384801 gtgactcatg cgaatagcgt tctgtgttaa cagtgtttt atcggtgtaa  
 384851 tcaactcgtt cgttatgctt tatccgagc cgcgcagcgc cgcgcgcgga  
 384901 cgcgcgtctg tgcgaagggc acagagact ggcctatag ccttgagcga  
 384951 tcatgcccac cgaatcgcta gcccgtaact cgggaatggt tctcaactct  
 385001 gcgcagggaa ttacggcgga gtaccgtttc acctatgttc cggctatggt  
 385101 cgcagatggc ggcgtccctt acacgggac gagccctctg ggcctatggc  
 385151 tgacgcagca taaggtctat agcaagcgc ttatgcgcga tagcggctg  
 385201 cccacgcgga actttagtat tatgcgcgc ggcacggaga tgcagcga  
 385251 tctcgcattc ccagctgctg tgaaacgcgc tcacgaggag acacagctg  
 385301 gattgcagct cgtacatgag ccggctcaat tgcagcaag cgtgaaatg  
 385351 atcgtccaga agtatgcgca ggtatcgctt tgggaagaa acatgatggt  
 385401 gcgcagcgcg tcttgagga tctgggaaa cgcgaagtc gagggtgtgc  
 385451 ctatgctgga attgagctt gtcgaacgc agccctctct tctaacctg  
 385501 gaagcgaagt acttgccgc cgtgcagccc ccaaaagact gtcccgact  
 385551 aatgcagcgc aagctgcgca ctttgcctg ggtatattct tctggagcct  
 385601 tcgcgcgctg ccagtcgcgg gattatgctc gcgtogacct cgggtcgac  
 385651 cgttcggccc agcccttgtt tcttgagata aactgatgc cggctcag  
 385701 tactcaatcc gttatgttt tagccggat gactgcggga cacagtta  
 385751 ctagcttgat caatggcatc ctgcagctgc cccataggcg gtaactgct  
 385801 aaaggcatcc taggttagg gtggttcagt catctatgcc caaagatggc  
 385851 ggcacgcgcg atacagatct cgcgaagagc tttagcgcta tgcgtcgacg  
 385901 cagctgtcaa tctgaccca gcattagga gttctaca gttatgatg  
 385951 ctgactggcg ctcggtacgg cgtatgcgcc ttgtctgat gctctgttc  
 386001 cgtacagccc ggaagacatg gtagaagctt accgctaa ga tctatgac  
 386051 gtgcgcggcg tgcggttcgc gcacaaagc acacgcgcg taggaacagt  
 386101 cggggtttgc gaggagaggt gaatgtgac acaaacgggt atggtcggtt  
 386151 ttgggaacaa ccgatgagac gatgcaaaag agctgttcgc tttgactg  
 386201 ctccgatcgc gaataccatc aggcctgcgc gtcacagcgc tgcacaaac  
 386251 atgcgggaaa ctgacgcgca gcacccgtgc tgcgctgat ttcaaatatc  
 386301 acctgtaaac atggagagat tcacactgct cccatagccc gatggtctg  
 386351 cgtggtctg ccaagtcagg gcccccgggt cccggcgcca tattttggc  
 386401 agcgtctcgc cgtctctg tcaaaaagct agcccgagc accagagag  
 386451 aattctgcgc cgtcgttga cccagagcgg tctctcttc cgggagagt  
 386501 aaatatggag aagtgtcac acgagagcgg tctctcttc cgggagagt  
 386551 accgcaata cgaataact ggttcagcgc cgcagacgt cgtggaaggt  
 386601 ttcaaatggt tggcagttg cgaagttatc gttctcggaa ccttgccgag  
 386651 cgggcacat cccgggttta gtgagatgct cgaactctg cgcgcgcag  
 386701 acgttaactt cggcaaatg gagaagctga tcttgacat cagatcatc  
 386751 aatggaaac cgcaggtga tgcagggggc gctatcacg tcaactctc  
 386801 cgaattgga cctgatctga agcgatggg gtcaaatatt atggccggc  
 386851 caaaccaaca ttccttgga tggggctgc aggcctatg tggagcagc  
 386901 cgcacccgc atgagagcgc cctacccac cccggcgctg gtcgaagctg  
 386951 cccagagcgc cctcttga acggccgcg cgtctctga ggtcgtg  
 387001 cttgtctc atgcgcacc cctatcagc cgtatcgcg tgcactgcat  
 387051 ccagcggggc aggcacacgc cgggctcgtg gtcacatgcg tccgtctgac  
 387101 gagaagctc tgcgtcagc ccgcaatgct tgaagccta agaaagata  
 387151 gtgatgcctt gcccaatctt ggcgcaaaac acgatgatg cgaatgtg  
 387201 gtgctgcag gaacagccta tggacccggc aaagacgtg gctacaccta  
 387251 tggcgtaact accgcagatc tggccgatat ttaagaaac gttcggcg  
 387301 gcaagcaata tcccgattc tgcattttta caaacacgc acagagcgc  
 387351 ggaatgtga gcaagagcc ggcgattttt gacagggcgc tbtctgcga

09399664-082701



387401 gctaatcgat gggggagggg acgctgactg tggacacgga ccgcacggac  
 387451 tccgtggctt cgaactctac aaacgcgggg ccatctctca tagtctgggg  
 387501 aactctcttt atgtgacct ccggacaccc gttggggggg acatgtacga  
 387551 tgtgtacgac aaggacccac aggtggacac cgtgcggaa gtaacggg  
 387601 cggaaagaac aatgggttac cctacgggtt cagggtctac aggcggcttc  
 387651 gcgcacccgg tgtattacga gagcgttgct gcagttagcc gctttgagga  
 387701 gaaccaactg gcgcgaactgc ggctttatcc aatcgagctc ggttatcca  
 387751 aaagggttgc gaacaggggg gctccctagt tctgtccacg cctccaggga  
 387801 atctcgattc ttgaacgctt gcagaggttg tcaagacggt ttggaacggt  
 387851 aatcacccatc gaggacccgtg tcggtcttat tagactgtaa ccacgcctat  
 387901 tccagcaactc cccaaagctgc gattttccgc ccgtatgggg tgcgtctat  
 387951 cggctgagca gggaaactgat aacagctggc tcaaggaaag ccatgttcca  
 388001 gtagagagca gtttgaactg tagaactgat cctcgtttat ccgtcttgag agcgaatgc  
 388051 atgcgaagcg tgcagttgct gatgcggcac cgtaatctca tccgtaaacg  
 388101 ccatgatctg ccggttcaga ataccagac aagtcgctgc ataaocccc  
 388201 gcgcttggca tcggacagcg gttgttcgca ctttgccaga ttatagtagc  
 388251 ccgggatttg ccaacagacc agattctggc aatgcggccg cagcgtatgt  
 388301 gcgaccatgg tgcgctggcg aacagacaac gctcgcggcg ggtggatcac  
 388351 gagaattgct tgcgtctcca ccgtctgcac aggcacgaac cgcattgctg  
 388401 ggcgcggcac agcttcgcag attgcttggc cgtccagctc gctcttgcca  
 388451 cgcttgacac aggcatacac taggagagcg ggcagctgct gccatctggc  
 388501 gcgcgcttgc gaggccaatg attgcctgct ccgcgcgctt ccatcccgat  
 388551 ccgctgtctc ggtgctgcgc aggaatgtgc cagatgttgc gctgcctctc  
 388601 gcgggggacg caatttgcga gttccgggtc tccgtggagt ctgcgtctct  
 388651 aagctgggac ttaagagcgc actgagcaat tcatgggaca tgcagtttgc  
 388701 tgacggggcg agagcggctt cggcgatggt cgttggaaga tccggcgagc  
 388751 atactggcgg aggccttcgc gccggggcgg gtggtttccg aagtgtgcgc  
 388801 ccgcttcgag gtttgcactg cctgtatctc caactggcgg ccgcgaagtt  
 388851 tggctccagca ggcgcagccc gcccttttgc ccagcgaacg tctgtgactc  
 388901 tggcagcagt gatgggtgc aactgggcat ggcagtggag ttcgcgagcg  
 388951 cgttgaaggt gagaattgc tcagcggctc catcgacct ggcagcggcg  
 389001 atcatgcgag cgtctaaatg atcagggcgc ctgcgcgggt ggcgcgact  
 389051 tcatctcttc gcccaattgca ggtcgtttgc gcagcatggg tgcocctgct  
 389101 atctctcttc atctctcttc agatgttgc cagattttgc tccctgagct  
 389151 ccgcgagatg gactctctac ccttcgcgaa gctccagcat tctctggcg  
 389201 ccagtgctct gcacccccc tctcgtgttg aagctgaact ggggaggtac  
 389251 gcggaagcgg gcttccgtgc tgtctcaac ttcocgactg cagctcttgc  
 389301 caacggttgc tttaggggcg atatagagtg ccgcgagctg ggtttccagc  
 389351 gtgagctgca aatgctccgc gttgcacacg agcggcgcat gctctccagc  
 389401 cgttatgtct gcagcatgac tgaagcagag caggcggcag aggtcgggt  
 389451 ggacatcatc aatcttaatc tcggctggaa cgtcggcgga tccgttcgga  
 389501 gcgcagcggg gcttgggttc gcacagggcg ccagatacgc caagatctgt  
 389551 ttcgcgcaga taaggggaat ttccagagag atactgtcc tgcctggggg  
 389601 ccgcgcagtc gttagcccg atcagatgta cggagctgc atcgtcgcca  
 389651 agcagacgag ttaatatgc ggtcgcacca tgcacgggtt gcgcgtgaa  
 389701 gctcgtatgg aacggatcac atcagccttt aaatctgttg gcaacttga  
 389751 aaagcgcata gatgagctgc agcgaagct cgcagcagtg cagcgggagt  
 389801 atttgactgt cggcgctgcg ccgttgatcc accagatcaa gcagcggagt  
 389851 gaaaagctcg cagctctgoc cctgtcgttc atgattacgc gaacccagaa  
 389901 ccggaaagaa gctgctcaca cgcgcacatc atgaagctgc cagacgtct  
 389951 ggcagcaaat taatcaacgc gctcaagcgg gatgtattg gcagctgtct  
 390001 cttcgtgttc gccccggcgc aggttgagcg caggtgtct ggcctgtctc  
 390051 aattccatcc caaggcgagc cttgtgagtg aggatttga accttttgc  
 390101 gaagcgcctc agacggggtt gacagggctc atcgagctg cgttttaacg  
 390151 gcgctctgtg gataacgaca gaggttttgc aggaagctc gatcctaca  
 390201 tctgtgcagc cgtgtcaca acttagctca agcgggaag taatctctgc  
 390251 cgtcgtctcg cgtcgtgttc ccgggcagtg cttctgccc aagataacgc  
 390301 accgcctggg agactcgtct ctgcttgagg agcacttctt gcagggctgc  
 390351 agaaaggtac ggcgcagcct caagctgtgc gtcgattact cggctcagc  
 390401 ccttctgtat gctatctctt ggcacaaaaa cgtcccgcaa ctcgcctcag  
 390451 tgcctcgagc agcgcacatc cgtcgagagg gcgattggt caagcgggaa  
 390501 aatttgcgcg ccttgagaca cggggtatc gctgatcgc acccggcaaa  
 390551 cgagcgcgaa tggatcctgg acgcgttcca gctcatcgc ttcgcgcggg  
 390601 gtgacgcggc tgcctatctc ggaatttgc gcgaagcgt gtaacaaaaa  
 390651 atgcgctgtg atgtctgccc atgcagagc atgcagagc cttagctcga  
 390701 ggcgaagcga ccgcggcgac tgtctattgc ggaataggcg gcagcagacc  
 390751 atgacacggc atctcagatg atgtgtcttc ccaacagcag atgcacaaa  
 390801 tgacgcggcg gctcgcgaat ccccccgaag aggaagttcc ccgccttccg  
 390851 aaaaagggca cgtgttttagc aaaaatggcg gtaagggaag ataattctgt  
 390901 cgagcgtccc ctgcataacg cagatcacgc ctttaatto gaatctagtc  
 390951 tccacacccc attgcttcgg atggggggac gaatgcgctt gttgaatga  
 391001 tgcctattga agtggcgcat aagtctaaag attccgggta tgacgctgtc  
 391051 cgtagcggta ctgtctcaga cgaaggttgc gacatttcgc ggaattcttt  
 391101 cagtcgcacac aaccaggagc ttgatcgaga agcaacttaa tgcgcagcga  
 391151 atctcgatgc gacgagcgtt cctccaaaaa ctcacgggga ccaagttcga

0939964-082701

391201 agtogaaggg ctctcggcca atcctggggt gcttcaactc ttttaataa  
 391251 cgagtgttgg ttctcggcgg stctcgccaa cagacctccac ggcgcggtog  
 391301 gtatgataaag tcgagagtgg atcaaaagct ggtatgttgg ctcaagcggt  
 391351 gaaattctat gtgcgaactt atcaaaagct ttttagcaaa tgcctgaggg  
 391401 ttgcgcgcaa gcagtcattt tcgggggtcc gtgcggcccg tagatgcgaa  
 391451 gcaatcatct atagcacccg aactaatccg gtgcggcccg tagatgcgaa  
 391501 cggatcgatc aacttggcca tcogaagctc agctaacagt caggagcggt  
 391551 tgatgactga ttccacggct ccaacgttgt ccgcacccgg gcagggctcta  
 391601 tatgcggttg cgaatgttca cccgttccata cctgcacaac gaaatgttg  
 391651 tctactgatt tccatgagta ccgaatgtct aatgcaatc atgggtccag  
 391701 aaacgtcgct cgttcggcca agcgagagcg tcaatgcggg gcgaagcggt  
 391751 aaacgtcgct cgttcggcca agcgagagcg tcaatgcggg gcgaagcggt  
 391801 cgtcaacagt gactgtctgc ccaacgggat tgaatggga ggttcacag  
 391851 ctcaagaggt tctttctgca tcccaacac gatgtgtgtc cgggtccag  
 391901 tggctgatca ttgcctcaga gcgggagcca gatgtgtgtc cgggtccag  
 391951 tgcaatgttg atcaagatta tcggcattac ggtgcacact gcatctctgg  
 392001 cgttggcaat ggcactcttc gctctctgtc caatccagg gccactgtgc  
 392051 ggttgggtgt ctattatgaa aagactcgca aacggtgaca taacgtgtgc  
 392101 tgtcgttgtt gtgcagtccc gcgaagagat gggcgaaatg tctagagcag  
 392151 ttctcgttct toagagataa cgtatagata ggttctgtgc ggcagagct  
 392201 gcaagggagg ctgaagaggg gatggagcac gccgcaggga tgatggagt  
 392251 ggcgggttgc gaggcggctg agcgagcaag cccagttatg ggcacaaatg  
 392301 ggcgggttgc gaggcggctg agcgagcaag cccagttatg ggcacaaatg  
 392351 gtggtatttc cagagagata tctcgtgttc agagagagat tcaacggctg  
 392401 actagggcaa ctctcagaga caatacgaa tctcgtgttc agagagagat  
 392451 cgtatgtctg tatcgtcttc gaaataagct gcgcgaactg tgcctgtgt  
 392501 aaacggagcg aacactaggc tatcgtcttc gatgtgttc tgaatacgt  
 392551 ggtatgcaata tcaaacgatg taagctccac agcgagccgg gcaataatg  
 392601 ctgatgcgtt tgcctcggac gccactcccg ctgcagcccg gctggagcag  
 392651 attgttttga gcgcactagg gggcagtgtg gagatgaaq agtctcttgc  
 392701 aaagattgca acgatcgtct cgttccatga ggcagtttga catcaaaag  
 392751 acccttttag actcaaacgt ggtgttgaag catccagagc gggggagagc  
 392801 ggcagagagat tcgctgttgt tgcctcggag gtcggggggc gtcacagcgt  
 392851 atcctctgac gcgcagagag gagcttgttg cttgtatcaat gttcttacc  
 392901 aagctgttga gcgcggggaa gagcttgttg cttgtatcaat gttcttacc  
 392951 aagcattatg cgcggcgtgt cgtatgtatc aggcagagag tttccaaat  
 393001 tgcctgcaac gccacggagc aagcaaaaga tctgtctgaa ttccagata  
 393051 cgtatcgtga gattgatcaa tctactcagc agacagcggg agcagccag  
 393101 gaatcggagc ccggttgttc atccttgaa gcgcagggcg agcatctgtt  
 393151 ggaactaatt caacacttgc aactggggag ggttctcttc accagcagag  
 393201 ctcaaaagcc gccacacagc agatacttca tctcagagta gttctccag  
 393251 ccaatgcgtg acacccctcc gccaatccac gttgtctcag accatgccat  
 393301 attccagcgc tctgcacac cgcacaaacc gcttcaggtt ggcagcgtg  
 393351 aagtaagctg ccagacacata cagagagttg aagcgtctcc agtctctt  
 393401 atctgcatca tcgaacccga acagagagtg aagcgtctcc agtctctt  
 393451 cctcagccag acgatcgtt ttgaaacact cctgcagcag cctcgtgtg  
 393501 aagaagctgc cgtatgcttc agttcagagg ccgcacactg gaacccctg  
 393551 gcctctcttg agcgcatcgc tgatgtggag ttcaactctt ttgagagct  
 393601 cttgattgat caatggagcc atcgccacat tcggtatcaa gcgcagcag  
 393651 accctcagag tgcgcacccc ctccgttgaa ttttcgggga actcggata  
 393701 ggcgcgggat tgacataaaa tccggttggc agacacagag gttctctccg  
 393751 catcggggga ttttgcctga cgttcctcgt ccgcagcggc tcatcgtgt  
 393801 gcatcggga agcgcataaa cgttcctcgt ccgcagcggc tcatcgtgt  
 393851 cctctgtgat tgcgtggagc ttcggttgac ttcggttgac ttcggttgac  
 393901 cgtcgtgtg gaaagtatc cgcagcagcc atcgagcct cgcagcgtg  
 393951 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394001 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394051 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394101 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394151 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394201 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394251 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394301 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394351 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394401 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394451 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394501 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394551 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394601 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394651 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394701 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394751 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394801 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394851 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394901 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg  
 394951 cgcgcagcgc cgtcccccct cgcagcagcc atcgagcct cgcagcgtg

0936964-082701



398801 catcaatcgc cgtcgccacg aggcgcacat toggggccagt gctgcttaact  
 398851 cgaanaagaa actcgtttgc ccagtgcttc cgtgtagatct cgtgcccagc  
 398901 ttcacgtgca aggtatccggc gccacatgtc tgtcgttgctg tcggcagggaa  
 398951 gccacatcac ctcgcgggag cgtcgtcgga tgcggaaga catcgccgac  
 399001 gtgatgata cgtctatga gccgttaagc ccgctgcgcg cgcgcgcgac  
 399051 caaccggggc agtcgctcat tcactttctc gaacacccacc tcggaaacgtc  
 399101 cgtctctcgc gtccaatoga acaacacggt cgtgttgccg ccgatcgggcg  
 399151 cgtctcgccg taagaagagc cgtcgattg tccgctgcgc aaactagctg  
 399201 ccacgcggcg gaggggtcgc gccagatct cgggcgcgtg gtcactgtcc  
 399251 tcactctcaa ttcgtatgcg tcgttaaccg tggagtgtaa gctgatgtgt  
 399301 atgtagcgac cgtcaatgct cggtttcgag gcgcgcgagc aatgaacac  
 399351 ttctgcocca gggagcgtgt tcggatcgaa gacacagctct tcctggaccct  
 399401 cagttaaccg cggcgccacc actctcgatg tagacagacc cgtttgagc  
 399451 ttctggaaat agaaaataaa cgcgcgttgc agcgttgctg gtcgcacac  
 399501 gccagacatct cgtctctoga tttcggcgat tagctggctt ttgagttctg  
 399551 ctacatagga cgtcaactca tccgcgtaat ggttctcggc ttctaactat  
 399601 gcgagggcat caggatcttc cctgtcgcgc agccacgcgt agggatctgat  
 399651 cgtgaagctg ttatgaagca ctcgaaatcg cgttctgctt cggggagcg  
 399701 ggggctgcag ggaacttatt tccatcagaa tgcctctgga attgattgac  
 399751 agcatagagc ttttgcaggg ctgagccaaa gcgcagcgtt gccgcagcac  
 399801 aacgggagaa actctgagcg gtccgaaagg gatgggtcaa ggaagttgag  
 399851 ccaacagctcc gtgttcgga accggtcaat tccctgtgtg ggcacagccga  
 399901 ccccgcgagc gccgcacaca accctcccac caatggttgc agaacagctt  
 399951 gccgcagcga cgtctcaact ctccgctttt ataccctgtt cccagctaga  
 400001 aaggtttctg cggcccaagc gaagttaaga gotttaagcc agggccacac  
 400051 aataattcgg aaacggaagg cgttttggcg gcaatgtagg tgcagccagc  
 400101 ggaactcctg aaagtctcgc ccgctcgcgc tttaattcgg acgagtcggg  
 400151 ctgtctcaac gccagatgcg gaatactatc ctccgattgg actcgtcgag  
 400201 caaaatttcc gctgtgtggg actggaaaag tccatggagc ctcggagatg  
 400251 ctgcgagatg agccttttaa caccocgaag ctgcacattc tgcgagttct  
 400301 tgcaggatca ctgcagagcc gcgcgcgatac aatcgggcga tgcgaacaga  
 400351 ttcatctcaa aacaggggag caccaaaatg tcgaagtgta cagcgaaagtc  
 400401 atcaactatc ttgcgtcgag cgtccactag gctcagctgc cgaagtcgag  
 400451 cgtgtgccta ctgcgtcgag ctatgcggcg agaacgggtg accctcgagg  
 400501 aagttaagcg aacggggtac attcgattg cgtatgccaa cgaatttcaa  
 400551 gccagctaca cagatgctaa cggcgacgtt aagggggcag agcaggaagt  
 400601 ggtccacacat gtccttgacc gcatgtgcgc gcttcgcaaa aactggacat  
 400651 tgaattccgt aaatcccgga cagcaatttc attaaagtc cgcagtttg  
 400701 atcgggttgg tctcggcgag cctggtttag atcagggctg attgatttgc  
 400751 cgtttttctg cccagctcaa gaggggtgcg cttttttgcg ttcagatgct  
 400801 ctgcgcgcgg aggggtgatg gttgagcatt gtcgacgata cggttgagta  
 400851 tgcctcggcg gacgggtgct tgggcataaa gcttgcccaa gcttgcaac  
 400901 ggaactcgag ctgtgatcag gttggaactt cgtgatnaac cgtctcgac  
 400951 gatttgcag aggtgaagc gctgctgac ggaagcgcta tgggttccaa  
 401001 agtcaatcga gatgagagc tggacgcggg tgaagctctg gatgagggcg  
 401051 gggagggagc cgtcgagggc ggcacgcgcg agctctctga acattcggg  
 401101 cagcgcgaca tagagcagc cgtgacggcg cctggcgctt tgcctgcga  
 401151 aggcacagcg cagccatgac ttgcocggcg cgtgtgggac ggtgatgac  
 401201 aggcctctgt gggcggtgag ccattgcgcc tggggagagc ccatggtgtt  
 401251 gccgcggctg agaccgcggg cggcgcgcaa gtccatgatct tgcatacag  
 401301 cctggcgcaa cggtagcttg gctgacagc gctgttgag gatgctgtg  
 401351 tccgcgcgca ggtgacatc cgtgcagag atccagtcga gccactcatc  
 401401 gccggtcgac tcaattgctc cggactgctc ggtcaattcg cgcagcgcg  
 401451 cggcactgac cgtcagcccg agggcctgca tctgttcgag gttggggttc  
 401501 gtcagcatte ttgcttcttc cactggtagt aggtatcgcc accgatttg  
 401551 gtatgcgcag gctgagggcg cgcgtgttca gcttcggctc tttccggctg  
 401601 gaggcgggat ttgaggtatg aggcagcgga ggaattaggt atggcattaa  
 401651 tggtagcgcg xcgctcaag gccgcctcga ggcgctggga tccatagcgc  
 401701 gggcccgagc acgaatgccc catggccgag cgttatccct gttccggatg  
 401751 cgtgctctg cgcataatgc gttcgaccag gctgggggca ttggggcgca  
 401801 tctggttgc aagcgcgac aatcgagtc agctgacga gctgtgagc  
 401851 tgaagcctt tgggcatacg gtcgttgcag gtcacgtgac cggacacgtg  
 401901 ggaagcgcca acatggctcg cgacacgctg gttggtgtg aagatctoga  
 401951 ccaccccggt ggtgagccgc acctggaggg tgcattcgat cagcgcagtc  
 402001 ggcacccagt agaggttctt gtcgacctcg acatgatgt cggatggac  
 402051 ctgcgcgac ttccattcgc catattcgaa cgttatcgcc ggcaagggct  
 402101 tcaaggtcgg cgtctcgatc tccctgaaca gctcggggcg gcttttgcg  
 402151 acatggcgca tctcccggtt gttcaggttc tcgagcaatt cggcaatcgc  
 402201 cgttgttagg gcggcaagcg agagagaggt accgttctct agccgggcca  
 402251 gaaaccagcg cgtgcggctg aatcagcgc atccgagtc gcttctgtg  
 402301 cgtgttcgc tgcctcggtt cggcagatc ctggtgtggt aatgctgcgc  
 402351 catgcccgcg acctgcgcag tcaatgtcgg ctgcgaadca agggctcttg  
 402401 ccaccccgca tttgaggttg tgcacacaga ttgccttggt gcccccacda  
 402451 tagaaggtca ggcacgcac ctgacccgtg atccaatcgc gcaactcgtg  
 402501 gctaaagctg gcatggggga aggtcaggtt ggagggccgc agaccccgca  
 402551 caaagatttg gccgggattg atgacacggg ttgcgggata gataccggcg

09930964.062701

402601 acogctggcc oggcatagtc ggtotgcato aaggggcccg ccgctggccg  
 402651 attcgggaac gctacactgg tggctggccg aaaggccgga acctggccg  
 402701 agaacccagt gaagccgttaa ccatcaggat ggtctggccg gttactggc  
 402751 catagagag cagcgttacc gctctggcgt ttacgttccc gaacaccag  
 402801 cggccagctg ggtccgtcga gatcgccggc cgttcgacgg gctccggcga  
 402851 acagccggccg ctccagcttt gcatcctcgt ccggcccgat tggcaacggc  
 402901 cagcaagacc cggcttcccg agatcgacg aatatggtcg ataccagat  
 402951 cttgcggatc ttccagccgt cggcaatctc gggcaacgaa agaccctct  
 403001 catgggtcag ggcgcaata gtccggatat cctccactgt cgttcgtct  
 403051 gcttggttcc gtctcggcat cggccctctt caacgttgtc gtgagaggcc  
 403101 taacaaacaa gagcggcgag ccggcaacca acccgtcaaa ccgcgcggcc  
 403151 aaactgtccg ggtattggcg gaatcgctgt ccgggaatta ctgaaactgc  
 403201 tgcctggaga ttaccggaaa tctgtccggc accttggcga aacccggcga  
 403251 catggacatc aagcgttcaa acatccaat gatcttagt tccattagct  
 403301 ccttgatacc aggttccag gcaaatcgct tcgacatgac ggcagctgga  
 403351 atggttatcc gccacgaag atgtcaaa gtaactata gcgagccaac  
 403401 cagtctccat gggcagggtc tactggtccc aaaggtaat ccccaaaact  
 403451 ttccacttta cggagacatt accacgcaag gtaagttgc gatcatggcc  
 403501 ggtgctgacc agctcagaat gatgcagaa cttggtgttg aagaaggaaa  
 403551 tattatccac atcgcatoga atcgagatgc tattcgact gtctccagg  
 403601 gagcggctga cgcctacgca gcatccgcca ctaccgcgc tgaattggga  
 403651 ggtaaagagc ataaagtga actccggcca cccttcaag atctgattat  
 403701 tgaagggaag ccccaaggga gctggggcgg ctatcagcttc aataaagat  
 403751 cggcggaact tggcgccggc atcaacgaat cgtctcttga gttccaag  
 403801 actggaatat cttgcggcgt atcccaagaa aaaccccgca tgcctttgt  
 403851 cttgcggcgt atcccaagaa aaaccccgca tgcctttgt tccacgttaa  
 403901 ggggaagatt gatgggtcgc taatccagcg accaatctat aagctctct  
 403951 ttccgaatcg actcggcaca gctctgtgac aacacttgt accgggtgca  
 404001 ccagcgacac tgaattggac aaaggtctac aatgcatto agaggaggt  
 404051 tggcgcccca gcgacccaac accgtgttcc tggcgcaag ttcgggttcc  
 404101 gaggttcttc aattaatgga accgacttcc gaggttaagg gctggttcc  
 404151 tctgtgtatg acagccggag aaagcgtcat tatcgagat gtctgcaatt  
 404201 ctcaagaat cctcgagatg taactatgag aacttgatg ggcagatgtg  
 404251 ggcctcccca atgcgttaca gaanaaaacc cggctcactt ccgagagaa  
 404301 cggcgccag gtgggcttct gccctcactt cgtctcagag agacttaac  
 404351 cttgcggcgt cctgactgtg atcgagagg atgtgtcat agtctctcc  
 404401 aaggtctgct ggcgcgcctg taactgattt gttattggtg catgtggaag  
 404451 agaacgttgc gatattgtcg acaggttcaa gtctctatt cgaataacc  
 404501 gggaggtaat gatgtgttac taactcagag gtgactggga ctctcacta  
 404551 atagtgcag caaaggacat gggaggaata cggaggttta ctggaggtt  
 404601 ttctcatgag aatccagaca tcaagggctt taagaccatg gttggtatg  
 404651 atcagtgaa agccacattt gcagttccaa tgaatacta gtccgaact  
 404701 atcgtgttcg ccggagccca tagccggcga actcgcacca accgtggtg  
 404751 ggcgcacctg ctgagcgaat gacctggag cggatgaag tgcgttgtg  
 404801 caatcatctg ggttgctgtg accggccctg gaattagat acccctctg  
 404851 gcatcctgca ataaagggc ctgtccacta ggaagcgat cctgtacgc  
 404901 gcaactgtca gttgaacac agcagtacag gaggcgtcc gccaatctt  
 404951 gcaactgtca gttctggac tagaagcga ggcattaca acccactgag  
 405001 gggaggtcgg ggtgttccc gtcccaaac tggcaaatc gctgaattt  
 405051 tactgatttc ctggcccgca ggcagaaaaa tggcaaatc tggcccgca  
 405101 gtgcattgat catccccag ggcggttcg taagcccgct caaaaaggg  
 405151 aaccaatga cactatcaa gatctccaaa accgcacctg cttgtctct  
 405201 cttctctct ggcggccgca ttgcgactgt ggtgcggcc ctaagtttct  
 405251 tcttctcagc gcaacttga ggtgcgtgga cgttcagga agtgaatgt  
 405301 cggggttaca tcaacttgc aatagcgaat gcatgtccg ggcagatat  
 405351 ggcacccgac gttgaggtga aggtctga aaacagaga acattcaatg  
 405401 tctcagaaa attggtgtc aaacagaga acattcaatg ggtcgtcag  
 405451 actttgggtt gtttaattcc cgggtgtcaa gccaacgct ttgacatgac  
 405501 cggccggcgg atggccattc gaccagagcg ttgcagagag gttactaca  
 405551 gtgagcgcaa ttccagttat gggcagggaa tgcgtgtgat caaaggcaac  
 405601 ccgggaacat ttcaactcta tgaagcgtg gttcaacag ggaagattgc  
 405651 gatcatggcg ggcgcggatc agttcggaat gatcagggc tgggggtcc  
 405701 caaacgagaa cataataag atcgcagcaa atgcggcgc tatttcagc  
 405751 gtgcgcaacg ggcgcggcga cgcctatgca gggcgccct cactcgag  
 405801 cgaactgtcc aaaaagagc acanaagcga actcggcgc cactcgag  
 405851 atccgttcat actggcgaa atccagcgt atccagggc ctttccag  
 405901 aacaaagat cggcgacat ggtgacagat tccacagag cgtcctga  
 405951 gttccgagag accgatgagt tcaagcgtc cttgtctggg taaggttatt  
 406001 tgcagagatc gatcggcgcg atcccgaca agacagcaa agatattgc  
 406051 tgaatttgag gcagcaagaa agattgaag tgaacgaaa catcctgca  
 406101 cgtctctccg gtgcgaacgc gcggcgtcta ctttccact aaagcgagc  
 406151 tatcaatgca ttggcaacac taactcgagc cgttggttcg tggcgccgt  
 406201 gtacagatcc aattcaactc ttactctgat ttcttgggg cttctgctc  
 406251 ttctgggttc gggattgaaa agctttccaa gaacccgttc gttcaaggt  
 406301 ttcaactctc ctacattgag acttccggc gacacatct atgttccag  
 406351 ttgtctggc tctttttgc cctcgagatc cggggggaca tgatggcgt

0039964-082701

406401 cgaatcgaga cttttccccc tagtggctgg cgtttcgtgt cttagcctta  
 406451 acctgggggc ttatgggtgc gaatacgttc gagggggaat ctagggggct  
 406501 agctcctgac aatctgagcg agcaacggcg ttgacattca gctcgtcaac  
 406551 agctctctgg cggctggcgt tacccaagcg gatcccgagc acgtggtatg  
 406601 gttttcccaa tctcgggacg cgcgctttga aagatacctc acgtgatcga  
 406651 ctccattacat tgcattgact gactttcgcc cggggagaaac tgcgcatttt  
 406701 ctacaaagat agcagcgacg tatatacaat gctcctcttt atgtatttgc  
 406751 ggtatagcact cgtactgtct ttcttccatg gctcctatga atcgtcggta  
 406801 acccgttggc cgggacatcg gaggtagaaa tgcctacggy ttttaccgtg  
 406851 gatccgggca accgagagctt agcattcgct atttccattt tgcacattgt  
 406901 tttgatggga ttgataacca ctctccaggy ggcctttctg ggtctcttgc  
 406951 tgcctatgct cctaggaagt gttctcgggy tttaccgggy gatcgtatcg  
 407001 agctgggtag cctggccggc cgtgtccctc atcagagtca taagggtacg  
 407051 gcatcaatc cctcaatcgt tctcttgcta cctgactact cctgagtact  
 407101 gaataatatt cctcgccttt ttgacgggag ccttggccct tggcctccag  
 407151 tatagcgggt atatttccga agtttatcgg cggggaatac agcgtgttga  
 407201 ccacggggcg cgggaagcgg ccaagtcgct tgacttctc cctcggcgca  
 407251 cgtttacgca cgttatcctt ccggaagcca ttctcgtgtg catacccgct  
 407301 ctgggaattt atctcgtctc tattatgaag gacgttcccg tttcttgggt  
 407351 cgttacaatt gttgagatcg taacggcgcc taagatctc ggaacacga  
 407401 ctttcaatta tctcgtcggc cttctatcgt ttggtggcat ctacattctc  
 407451 ctacaactcg ttgcctcggc cgtcgttcgg atcgtcagcg tcaaccttcc  
 407501 gtaaaagagg gttccctcga gatgagtgac tccatcatcg ttttccacaa  
 407551 gtaaaagagg gcttaccgga atttccacgt gatacagga ctcgactctg  
 407601 agttctcgag tggggaaaa gttatctatc ttggcccttc cgtctccgga  
 407651 aagtcgactg tctctcggat actgatgacg ctggaagcca tccagctatg  
 407701 agcagcttac tggggcgggy agcctctttg gcatgagcta aagacaggtt  
 407751 ctatgatgac tgcgacagaa aaacattctc ggaagatgcy accccaactg  
 407801 ggcactggtc ttccagcagt caactctctt ccacacatga cgggtccagc  
 407851 aaactccacg gaggctccgc ggggtgtact cggcctatcg aaagaggtaac  
 407901 cgcgcggcag tgcgaggaat cttcttgagt tgggtcgccct agtgatgac  
 407951 gcacataaat ttccagctca gctttcgggy ggcacaacag agcgtctggg  
 408001 gattgcacga gctttgggca tgcgacgga gattatgctg ttcgatgagc  
 408051 cgaactccgc tctgatctct gactctgctg cgggaagctct taagctcttc  
 408101 gggggtccgc cgggtccgct cgcactctcg ttcccgcttc cgtctccgga  
 408151 gatcagcttc cgcgcggaaa tctccagcgt tgcctcgttc ttcgacaaag  
 408201 gacgaatccg tgaagagggc agccacagcg aattgtttag tccagcttaag  
 408251 gaagagcgta cgcgcgaatt ttccaagggc gttcttgacg ggtgatgatt  
 408301 ggcggcgggc cagtggggcc atggccagga cgttgactcg ttcaatttga  
 408351 gatccgaact cctcccgagc cgggtcattc ctatctcggg tgcctttctg  
 408401 cgtcgcgat gatcatcgcc ttgtcgtgga caagcgcttc cgttttggca  
 408451 gtaactgac gggctgggct gctcggcgcc accaggaatg accggaactg  
 408501 aggcgcctca gactcgttgt cgggtgggga cggctgagcc gtttggaggy  
 408551 caacgaatg agtttaactg ccaatccacc gttactaaaa gattcgatt  
 408601 cgtcttggt cctgggcaaa cgaatggagc gggcggaatc tgcgtgaac  
 408651 gctcacgga cgcgcgaatc ctgcagatcc agcactaaa tgcggaaac  
 408701 tgcctcgtcg ttgatgataa tttagtttca aacagcttta ttggtgaggy  
 408751 cgaacgaatg acttcgctat caataacagt cttctaatcg aagcggaggy  
 408801 cgaacggggt cttgaattgc gtcacgggat gcatcgggag ccggaattac  
 408851 ccaacacaga gttgaaaacg cagcagcgaa taagagggat gtttgaggyg  
 408901 ttggccctga aagggcgagc tgttttccat aatacagggc tctacatga  
 408951 catcgaaggy tctgcttcgg gaccaagag agcggttgct gtcgcggcgg  
 409001 acatcgatgc ccttcccata caagaaactc gggatgattt gcgcctccg  
 409051 tctcactggy agggagtgat gcatgcttgc ggcacagacc tccacgttc  
 409101 catcgactg gggcggggtg tgcctcttc cggatgata aacattctc  
 409151 ctggaaact cgcgctcttt ttccaacggy cagaagaggy tgaacgctt  
 409201 ggcggttcca cgtgtctgga agagagactc cttgaggggt tgcacatcg  
 409251 tgtgggtctc catgttaacc cgtcgtata ggtgggcaaa ttggcgccc  
 409301 cgaagggagc agtgagcaaa tctcgggacc aattccaagt tacctgtctc  
 409351 ggcagtgca cccatggctc aacaccccat aatggcatg accgaattac  
 409401 gattcggyca gcttttgcga acgagtgcca gaaggtcatt tcaagggag  
 409451 tgcgggtgga tgatcgatcg gtcatacaga taggcacaa ccaagcggga  
 409501 gaggcgacta atattatttg tccgaaggtc gttgatgggy gaacaaatag  
 409551 aacgagcaac ccgaactcgc gaccgctatt gtcgcaaggy gtagaggaag  
 409601 ttgcggaag cgtcgagca ctacatcgcc ccaaggttgc ggtcgtggt  
 409651 aacacgggt aacacgggt cactatcga ccgaatggy agcgcctctt  
 409701 cgcgagcgc gttccgata tggcggttct cgcgcggtt accgagggga  
 409751 aggcatttag cgggagcgat gactcgttgt tctactctca atgcattcca  
 409801 tgcattctatt tctgtttcgg cagtgggaaa ccggggaacg agtcgggtgc  
 409851 gcataccccc acgttcgggy ttcccgagca cgttctcctc ccgacgacg  
 409901 aacttgctgt gaagtatttg ttcgatttgc tgcatgggga gttcgcaagt  
 409951 tgatcgactt gttatgcagg atgtttgcca cgtgtattag tgaatgaatt  
 410001 gtcgaactta agttagaagt ctcagcgagc agcggctgag cggatcggaag  
 410051 agcagctctt cgttccccct ctgagacat ccaagtgctt caactatcga  
 410101 accggaactc aggtcagcgt caagctcga cactatcga gcaactggt  
 410151 ctttaagctg cggggtcgga caaagcaat tcttcaactc agccgctcgg

0039064-082701

410201 atcggggcagc tggggttatt cgggcattcta cgggcattcta cgggcagggt  
 410251 ctttctctacg cggcaaaagc ggttcgggtct cgggcaccca tctgcatgtc  
 410301 ggcattctgtt ccagaaaaca aggtttccga gatccggaa cttggcggtg  
 410351 cagtttcggtt agtgggatcg tccaaagcag atcgccaaat cgaagtcgtc  
 410401 cggcttcgtcg cggagggaag ccttcagcatg atcccgcttt togtatccgc  
 410451 gcatatcctc gccggccagc gaacgttcgg tcttgagctc gttgagggtg  
 410501 tgcgggacgt cgcgatggta ctgcttcacg tctgggtggt cggcttcgtt  
 410551 gcaggcgttg cagcagcgtt gaaggcactg cggcttcagt cggagatcat  
 410601 cgggtgcact atggatcgag gcgcgcgat gaaggccagc atcgaaagct  
 410651 ggcattccgtt acaggtgacg gegtatcgga gcttggtgta tcttttaggt  
 410701 gggaggaatcg gcttgggcaa cgttcggacc tctcaaatg gcaagacct  
 410751 tctgcacatg gttcttcgtg ttaattgaag cgaatatgcc cggggaatta  
 410801 gacatgctta tgcagctgag cgtcagatag toagaggcgc cggcgtgttc  
 410851 ggttatcgag cgtctctctc cggcaagggt gctgctcgcc gaggttcagt  
 410901 aggagtcgtt ttgtcaggtc aaacatcgga catgggcctg catcggaagg  
 410951 tccattacgg agttgtcaga gcgcacgagg aggattgatg cctacaagtg  
 411001 aaatactcac tgggggggag ttgaggcaca tctgttcgtt cgccttcgac  
 411051 cgggttaagt gcacggaga cgtttccgc gcactgcgcg taccacaagc  
 411101 cgtaaaaatg cggcccatct tgcgttcgga cgtcctgac agcagggtgt  
 411151 aagtgcagt gaaaactgag tatattcccg gtttggcggt ttttgcat  
 411201 aagatcagcc cgggtctctt cgaacaccca agatatggcc ttctgagacc  
 411251 aactgggagt acgttcagcg tctcgagca aacgttcgac gttccaaagg  
 411301 tctctttaga caatgtttag ctcacggagc ttctgacgg ggcgctgggc  
 411351 ggcgtttggt caaaacattt gtgcacaaa gatgcttcgg tgcacacct  
 411401 ctttggagcg ggcgttcagg cgaactgca actgctgcg cgtactctgg  
 411451 tggagcctat cggccaaagc cgtatatggg cggcgatgca ccttaaggcg  
 411501 gaggcactcg tgcagcagtt gaagcttgag catagcttgc ccttaaggcg  
 411551 gtccgatgat ccacggcagc cgtttccgg tgcacatc gtgtttcaga  
 411601 cgcagcccg cgaacgggca atctcgtag cgtcctggc tgaagctgtg  
 411651 cagcatgtaa ctgcattggg ctcgcagcgt gacataaaa acgaacttga  
 411701 tccagcggga ctcgcggcgg cggatgttta tgtggggat agtctaac  
 411751 agcacaggag actgggtgaa cttccacatg ccatagagg aggccttcga  
 411801 cggcgggagc acggcgaggt ggaattgggg ggaattgggg aggcgttgga  
 411851 aaacggcagc acggcgaggt cagatatcc ccatagagat cttccggaaa  
 411901 cgggtgttca ggcacgggca attgcacgc ttgctttca cggcgcgaa  
 411951 gaacgcagtg cggaaagcct attcgagagc tgaacaactc gcgcttcctg  
 42001 cgcctcagcc atgttgaggc gctgaactct catctgttca cagcttaact  
 42051 tagtatccgc cgttcgggg acaactcagc aactaaatg tctgaccata  
 42101 tcttacagga ggcagccatg cgggttatca agggacccca agtatctct  
 42151 cggcggaat tctttaggcg actcaatgct gtgaagctgg agatggggcg  
 42201 gcttgaatc gatcgctcga ttgttcggag tctgtgatg atccgatata  
 42251 gtcaggccta taacgttaag tccgatatg tgcacaggc tctgtaatc  
 42301 tcatcgaatg acgaagagcc acatcttca ctggcgccg aagacggccc  
 42351 tgggggcat caccagcat tcatggatcg ggcacaaagt atcgggtact  
 42401 ctgagccct catcgggaac ccgataagg agcgctatga atcggttctt  
 42451 gactcttga acgaacggca tgggtccaac aagcggcgtg ttggagtcca  
 42501 gcttgctat ctgtcgttaa gatcagctga aaagtttaag acgcgctcga  
 42551 caagcggcg aattgttgac tgcacccatt cggtcggcgt gatccgatg  
 42601 atcaaatccg atctcgaat ttgatgatg cgtgatggt cgcacatgc  
 42651 agcggcagga gtccaaaagg cattcgacgt cattgacgg ggggtgcggc  
 42701 aagcgcagct tatggtgcag gtccagcgtc aacttgcgg ggggacaaac  
 42751 ggttaagggt gaacagatct cggctcgatg tatctctgt cgggacaaac  
 42801 aacgggcaga tgcacatc gatgcgtga agatcgatg cttcaccccg  
 42851 ctgcagcaaa tcttgaatc cgggggttgc cggcggtga tggatgggtt  
 42901 aaatcgga cttctccgt aggtgcacca tccgatcgac ttcgagcat  
 42951 tcatgacgg caggttaactg gtttggaggc cgcgctcagt acggtaaagc  
 43001 ctggcgctac ttgtagcgac gtgcacaaag cacttcacg cagcatcgaa  
 43051 aagtcgggtt ttcacaaagg ctcgcgctgc ggtatcgga tgggtatga  
 43101 ctggagcgaa ccaactgcga gcttgagga tgggtgatg accaaactca  
 43151 agccaaatat gaccttccac ctgatgctcg gcaattggat tgaagaagt  
 43201 tttgcttacg taactcagta gaccttccgt gtccacgaag cgggttcgga  
 43251 agtgcgtac agtcgtcggc ggcacactgtg tgtgcttaa aggaaggac  
 43301 caacgaaggt tggttttcaa caacgtgac cacttgata atcagacga  
 43351 aattggtgtg ttcggcggtg gagaagcttc aattctcaaa cgttcagcgt  
 43401 ggcgcttag cgtctgga cgcagcgtct ctcgaaggt cgaaggacga  
 43451 aaatcgatg tcttcttctc tccgaagctg agtatcgca cgggtgtctc  
 43501 caggttaaac aggggatgca agtcacagac atcgatgtct tggttcagc  
 43551 tggacggggc aacataact atctcactgg atcagatgct tggctctct  
 43601 atacggttca ggcactgttg gtgttccag acgttgattt acogatgtct  
 43651 attggcagat caatagataa gcaatccgca attgttcaa caaatcttc  
 43701 tgatgaacgg attataccat atccggacat atatgttcat tcccgagac  
 43751 ggcacggcgg gcaatttatt ggcgaatgtg tgttaaggga ggccttcgga  
 43801 gcaagcagct tgggggtgga aatggcgctt tatattata cagcgctg  
 43851 tcatgtctga ctgcagagg cacttcacaa tgcgcgttc agggacggag  
 43901 atctgctgt aaattcggt cgtctcaca agacggagcg ggaatcgct  
 43951 tacatggag aagcggcgtt gattactgaa cgcattgata acggcgcggt

09939954-082701

414001 agaatgtgca gggccaggtg tacgacagtg tgacgtggcc gctgcaatct  
 414011 accatggaca aatgtcgggc acagagaact atggggccct tccctgccac  
 414101 agccaccaca acatgggggt cggctgagcgc gctaggggac cgcaccogac  
 414151 attacagat cgaagtgatg acacaaatcc tggtgccact atgaattgt  
 414201 cggatggcgc acttcagat cagcagacac tgagtaggac agtcattct  
 414251 ggcagggcgc cccagagatc cgggaactta tgctgtgacg tggatggagc  
 414301 cctcgaaagc tcactcgatg cgtctcgacc tgggtgacg tcgcaagga  
 414351 togaattagc gtggcgcaag agcatgagcg ctcatggcat cgaagaagga  
 414401 aacggcgctg gttactccat tggcattgcc tacacacga catggggcgc  
 414451 ggcaagcgcg agcataggcg ggcaggatct tactgttctt gaggctaggg  
 414501 cggcatttca cctcatgggt ggaattgggt tggcaaacac cgaataagc  
 414551 atcagccagt ctttctgtgt aacagcaacg ggtcagcagc ccccttagcg  
 414601 tacgctctgg gaactggctg taaagagctg agccagatg gcccgcgcga  
 414651 ggttctgagc attccaaacg gacgtgtagt ccgatttcca cttctgttgc  
 414701 cgttcgagcg gtcgctctga tgggtttttt ttggaatcca tctctggctg  
 414751 ctttggcaag cggcgctggt tcaactgtcc ttcatctcga tctgctggct  
 414801 caacacagcg ctccagaaata aatcgcgccc ggaactctg cagcagcaaa  
 414851 aaaggcggtt cttggcgcgcg ttgcgcactg ttgcccagc ggttttctc  
 414901 cggattggac aatcgatgaa cggcgtcgcc ctccggggcg caactaggga  
 414951 aggaagcgcc ttggcctttt tgggtcaact cgcacaatat ctgaacagga  
 415001 ttggaagcgc tggcgaaaaa togaagccct ccgattggga aagatagcac  
 415051 gtaaaatctc cgaataagcc gcaatcggtc agaaagctca ccttaattgc  
 415101 aggaatttgt cgcagcgaaa atcatctgc cggaaatgtg caccctggct  
 415151 cgcctatgat caaagtggaa ggtggctagc gggctgagcg tgaaggagc  
 415201 ggcagacagc cgtcaaacgc cagttaacac ggaaggtctg gacccaagcg  
 415251 gatgcaact ttctcgctgt cttctctcaa agtctggggc agtctggggc  
 415301 ctgtctcttc agtctctgtg cttctctggc ctacggctct ttgatccgt  
 415351 gataaaactg ttggatggcg actggaaact ctacggctct ttgatccgt  
 415401 ggccacagca gccggcatca gccaaaccca tgctctggcg attctcgaca  
 415451 cactgttttc ggtgtagctg cagttctaac ctcatccgca aatggtgggg  
 415501 aactggggcg ttctcgatga taagaagcgc tacacattgc aattggcgcg  
 415551 cggttttagg tggcatgagc gtacccctgt caccggagct gactgggtg  
 415601 cgtcaattcg ccgctggggc caggttggat cggcgggaca gatcctatg  
 415651 tctggcgata gcgacatctc aaaaaagat gacggagcat ttgtcatctc  
 415701 gctcaagagc cccctggggg ctttggcaag cactcccgag cactcccgag  
 415751 gctttatcat cgggttaaac agcgttttag ttcaatccag aactagaca  
 415801 actcggaaca tgggtcagc agcgttttag gcaaaatata gtcggcgcca  
 415851 acctggcgcg agtttcaact agcagccgaa cctgtgtcca caagggcgcg  
 415901 aagagcgccc tgacgggaat gctggcgcca agcaggtcta tgtcgatcgt  
 415951 gtgtgtggcg atatcgggcg gctgcgcgac cgcgcagact ccggtggcgc  
 416001 tcttcagagc ggcgaatatg actttctcta cagcgcgccg attgatctg  
 416051 tgctctaat cgaagcgatg cccaacctga aactcgagcg gctgatctg  
 416101 gctggttggc acatgacctc cgcgatgat tgccttcagg cgcgtttaa  
 416151 cagcgttaag gctcgacagg catctgtcca cctgtggac caagggcgcg  
 416201 tatgtggcgc tgggtacggc aatccagact attccagcc cgtcacgcta  
 416251 atgtctggca acagcgagc ggttaacac gacgaataca cgggtgttct  
 416301 caaacacggc ggcgatcccg aaaaagcaaa gcaacttttc aaagagctg  
 416351 gctatggcgc gaaaaaaatt gtaattctgc aagcgacgca ttggcgcgag  
 416401 caaagcaatg cttcacaggt cgtggcgcgc aagcttctgt aaatcggtg  
 416451 caacgcgagc ctgcgcgcca ggcactgggg cggccttctc tccgcgcgtg  
 416501 cgaagaaaaa ccccgccaac aacgcccggc ggaagctct tcatcatgac  
 416551 cagctctggc caacacgtgc caagctttt accgacatta gctttgcat  
 416601 gaacggcgga aagcagtggt atggttggcg aagaatgat gaaatagagg  
 416651 cgtccggcgc caaagtggtg accctcgaaa cgtctgatga gcgcagggcg  
 416701 cgtgcgcgca aacatcgaaa gctgtgtgtg gactaagctc ctagagcttc  
 416751 cgtcgttcgc aacatcgaaa ctatcgctta cagcagagcg cttacggcg  
 416801 tcatccctgc aacatcgcg ctaattgtga acatgcagaa ggcctgatac  
 416851 cgtgggtgtt tacatttctc gaaactggt ttgcacacac cggatagagg  
 416901 cgtatgttgg gattttctac ttctctgttc tcaaggttgc gccaggtgat  
 416951 cggcgcgcg toatcgagc accaacgcgc accgagcaga tggttgttaa  
 417001 catccggcag gatttaggtc ttacagcaac gttgctgtgt cagttctctc  
 417051 attgggtctc tgaattttg aggggggaact tggagctc ggttttccac  
 417101 ggggtgcgcg ttctcaaatc gctttccgag accgttgaa cgcagatcgc  
 417151 cgtgtctgtg ttgcaaatga tcttttgggt tggctgagc ggcctctggg  
 417201 gttgactgtg cttatcgaga tctgtccg cgtctctgca ttggctatat  
 417251 acttttttag cttattcgca ttcttcgca ttcaaacct ttgtttctg gttcaagat  
 417301 cctcatctac ttcttcgca ttcttcgca ttcaaacct ttgtttctg gttcaagat  
 417351 atactccat caatcaaggt gtcgcccct ggtttttaa tctgacttc  
 417401 caaaggttca ctttgagcgt cccctacatc gctttctg cgcggaattac  
 417451 gggggcgagc atgctcgagc tggctcgga agactatat cgaacagctg  
 417501 cgcgaagggc tgcctcgcca ttgcatagc tattatata tgcactgaag  
 417551 aacgcccggc taacctctct tactgtgac gggataagct tgcgttatc  
 417601 gatcgagcgc gctgttttga cagagacgt gtttaagct tctggcatg  
 417651 ggcgctctgt cgtgatgca atcaaaaac ggttatatc catcatccg  
 417701 accgtgtgtg tcttaatttc cggcctgac gttctgata cctactctg  
 417751 cgaatttgcc tataccctga togatcgcg taccggtac taagatggc

102280-1966360



417801 ccttaaccact tgcgcgcgtt cgggatcgcc tegtattcaa acccaccacc  
 417851 ttgtccgcgat cgcacaagcgg catcccgctgg tccctccctgg gggaggggac  
 417901 ctgctgttgc ttattcttgc cgcgcgttgc gcgcgccttt acagcgggtga  
 417951 tcccttgggtg atggaccctt ccaagcgtct cccagcagccc tccgcctcaa  
 418001 tgtgtgttggg cgcgcgacaa cctggggaggg atgtcttgcg ccgacaacaa  
 418051 tatggagcgc gcatacact catcgtggga ttgctttcag cagtgtgcgc  
 418101 agcgggttgc ggttttttga tccgtgtaat cgcgcgtac agcgcacat  
 418151 ttgataacat tatcatcggt gttatggagc gaatgatccc catcccgacg  
 418201 tctctgtctg ctatagcgct tctctctctc acgggcctcc gaatttggat  
 418251 tctctatcgt gcaattcgga tctccgaaac acccgctgct agagattga  
 418301 tctgttccgt gttcttgagc gttcttgcg gacctaagt agagagagc  
 418351 ctgtgtgggtg gggcagcgc tccataggtg ctttggcggc atattttgc  
 418401 ggcacaccatt ccgcctttga tggttcaaa cgcgcactgt tgtccagctg  
 418451 cgtatcatgc cagagcctgt ttgagcttta tccgcgtggg cgtgcctccc  
 418501 gagatcccaa gttggggtaa tatgatcgcc aactcaagcc tctttctcgc  
 418551 gatcgctccc ttgacgatct ttgctccctg actgtgtctc gccgtcactg  
 418601 tctctggcgt caacctgtcc ggggatggcc tgcgcacat tctgcacccc  
 418651 cgttcgaagc gggagcgtta aaatgagaat gcaatcaaat ccgaagcggc  
 418701 atctgcttct ggcgttctgc gcacctggag cgcactttta cggcgaagc  
 418751 agcgttactc gtcctctggg cgggtgtcaac ttcacatgta aaagtggaga  
 418801 gacgttggtt atctagaggc aaatccggagc cggagagagt gcaactgtct  
 418851 gctgttactc tctgttctgc ccaagagaa cagctaaac agtcgggggc  
 418901 ggggtcgtc tcaagggggc caaactttta ttaactgtct agcgcagat  
 418951 cgttgaggtc cggggttaac ggcgtcccat gattttccag gaccctgata  
 419001 caagcttggg tccgtttcac actgtttggc gccagatgcg tgaagcagtc  
 419051 caaattcaag gccgcgtgtc tccgcgcggc gccctcgaaa aagcatttga  
 419101 gatgottoga ctgttttoga ttgcgatcc cgcgcgcgcg ctcaacacat  
 419151 atccgcagca aatgtccggc ggaatgcgcc agcgcgccat gctgcgcgat  
 419201 gccgtcgcat gctgcctga acttttgatt gctgatgag cgcgcacggc  
 419251 cgtcgatgta agcattcagg cgcacaattct cggcgtgacg gtgcacttga  
 419301 aggaacgctat gggacagggc gtcgtgttca tccgcgcga ctttggatgt  
 419351 gtcgttgaga cgtcttctgc gtcctcagc actgatgcgt agtcactgtg  
 419401 gctgttctgc agcgcacat actgtttctc tccgcacaca catcttaca  
 419451 cgcgagccct catgaattct gtgcgcgatc ggcgcggcgg cgcgaactct  
 419501 cgccttccgc aaattccggg ggttgtacac agcctccgcg agcctcttgt  
 419551 cggctgcagc ttgtgtgagc gctgcctccc tgcatttggg gattgtgcg  
 419601 aaaagatgac tgtcctaagc gagatcaaac ctggacacgc tccgccttgc  
 419651 tggcgttoga atgaagtggt gaacctga gcgcgcgcgt gtcgaagtt  
 419701 gagcgttga ccaagcacta tctatcgaa cggggatggt tcaagcaga  
 419751 cgttcttcta gttcggggag tctggagcgt gctgttcaat tccagagcga  
 419801 gagaaacgct ctgcgttctc ggtgaatccg gctgcgggag tccgcgcacg  
 419851 gcgcggcttc tgcctgggct catagatccg acaggtgggc gatgctgtgt  
 419901 ggcggcgccc gcactcggag gaactagaaa gaacgagctc agagcttggc  
 419951 gccgggggat gcagatggt tttcaggacc cgtactcttc tctgaacccc  
 420001 cgtctcacgc cgggcgcgat tatcacgaa ccgctcgaga atctcaagat  
 420051 tctaatgata agacagcgcc aggaacttgc taccgatcta ctccgcaggg  
 420101 taggaatgta gccgcgagat gctgtctgat atccgttoga aatgtcgggc  
 420151 ggtcagcgcc agcgccttggg gatttctoga gcgctggcac ttaaaccttc  
 420201 actaatcata gctgcagcag ccgtttcagc gcttgacgtc tctgtgcagg  
 420251 ctcaaatctc aaactcgtc atgttatctc agcaagaaac agggatagcc  
 420301 ttgattttta tctcccaatga ccttgccgtc gttgagcata tccgcgcacg  
 420351 cgttgcggct atgtacctgg ggcgtatgct cgaactgata cccgcgcacg  
 420401 ctcttttgc caagcagct catagatcga cagaggaact gatcggccg  
 420451 gccgcagtc agatctctgc tccgcgcagg cttagagctc ctttggaggg  
 420501 agaagtgccg agcccccgtc atccaccagg cggatgcgcg tttcacccac  
 420551 ggtgtccgct cgcggcttgat cgggttgcg cttgaagtgc gccactgtc  
 420601 cctatgcgcc atggtctgtc ggtgtgttc cagctacggg cccgcgctgc  
 420651 cggcgtcact atttgcgca gcgctctcgc gctcttga ctgcacaaaa  
 420701 cgttccagcc cggcgggaac attctgcgcc tctgttgaat caaaagata  
 420751 gccacagaca ccaaggaaga aatatggaga agtgcacaa cgcagcgggt  
 420801 cgtcaattgc cgggaagata cggcaaatc gatactadg gttccagcgg  
 420851 gacgaacgtt ggcgcgggt tcaaatcgt ggcagtggt gccctcactg  
 420901 tctgcggagc cgcggcgga cggccacact cgggttttag tgcagctgtc  
 420951 gacatcgtc gactgcgaga cgttaacttc ggcacactgt agcgcgtgat  
 421001 ctgcacatc agatattca atggacaacc cagggctgag tgcagctgtg  
 421051 cgtatcagct cagccttccc gagattggac ctgatctgaa ggcgatgggg  
 421101 ttcaatatta ttggccggcc aaacaacac tcttggact cggcgtcgcc  
 421151 aggcactcgt ggcagcagcc ggcactcga tgagagcggc atccatcaag  
 421201 ccggtgttgg tgaagttgc gccacagcca gcgctgcacg tcttttagaa  
 421251 accgcccggc gtcgctgtc tttgtcttca tgcgcacact cctccacggc  
 421301 gatgtcggc gcatgcgac caggttcgga ggcacagcc aggcctggag  
 421351 tcaatgcgt ccgtctagag agagagcgtc tccgtcagcc cgcacagcgc  
 421401 gagagcctaa gacagatag agtgccttg caactgtg tgcgtacac agacaaaca  
 421451 cgtatctg ctcaattggt tctcgcggg aaacacatc agaacagcgc  
 421501 aagcgtcgc ctacacctat cgcgctaata cgcgcagatc ggcgcgatat  
 421551 ttaagaagac ttccgcggc cgcacatat tccgattttc gcatttttac

00030064-002701

421601 aaaccacgca cagcagccgg gaattggag cgaagagccg gcgcattttg  
 421651 agcaggcgct tgcctgcag ctaattgat cgggagcgga cggctacgtt  
 421701 ggcacaggac gcacccgact gcgtggcatt gaattatcaa aacggccggc  
 421751 catctcttat agctctggga actctcttta tgatgaactc cgggacccg  
 421801 ctggggcgga cagtaacgt ggtgacacga aggacccatc ggtgacacga  
 421851 gatggcgga taacggcagc gaagaaaca atgggttacc ctacggctgc  
 421901 aggtttcata ggcgcgctgc ccgaacccgt gtattacgag agcgtcgtgc  
 421951 cagtttagcc cttttaggag aaccaactgg ccgaactcgg gctttatcca  
 422001 atcgagctgc gttattccaa aaggcttgcg aacaggggcg tccctagctc  
 422051 tgcctccacc cctcaggcaa tctcgattct tgaagccgtg cagaggttgt  
 422101 cagagccggt tggacagaga atccacatcg aggacccgtt cggttctatt  
 422151 cgcctctaatt cgcatacgag gtccagccgc cataaggttc cattaacatc  
 422201 gctcagtagc ttcattgagc ctgcacaacg cggcttgggc gcgctttggc  
 422251 agcgcgcacg ctgaatcgc gcgcgccgtg ttcagatgat cgaaggtcaa  
 422301 ggaattgcagc attgcagagt gctctcggtt ccgactggggc aaacttgcct  
 422351 tccagtcgct tgccttcgca taatgggaaac ctcaactagc gaaagtctct  
 422401 catcgtctgt agcccttcga ctccgccact ccgtccgggc ctccgtccgc  
 422451 cggatctcga tccggcgtag agggcgctca gtttcagca ttcctggcg  
 422501 caagtgcagc aatccgcagt caattccatt tcatggtcac gtacatttta  
 422551 ggttcgaaca agcgcgttcg agcgcctgac aacaggaaat catcgocaaa  
 422601 tccctggcag ccgcagagga agcatttatg accatcgata ttaaggacat  
 422651 cagcgagaag gacgcgaata cgttcctgca tccgttcaca cagctgaag  
 422701 actttgcgac cggaaagcct cgtgagccga cgtatcgaga gacgggcaag  
 422751 gggatccgca tccaggagcg cgtggttaac cagctgatgc agcgttttgc  
 422801 cggcctctat tgcctcattg tccgtctacg ccgcacccga gtcggcgagg  
 422851 cgtatctcag ccaggttcgt cgccttgctc attctctcgt atctgggca  
 422901 caacagcgag atgaactcgc aattctgtgc gatccgtcgt taagatggc  
 422951 ccggggcaag atgagcaagc ggttttacgg catgtccggt tggagccca  
 423001 atgagaccca ggcacagctc gctctggtact acacaactc gcgttgccag  
 423051 ccgacagaga agaagattat ctccggcgaa ccgggctatc atggttgccg  
 423101 cgtcgtctcc ggtcgtatga ccggcatgag ctctctacac gatacatggt  
 423151 acctgcgcgt gcgcagatc tgcacacccg cgttgccgca caattattgg  
 423201 ggtgcacacc cgggcagagc ggaacggcag tctctgcgcc ctgcgcgc  
 423251 cgaactcgac gacatgatgc aaacactggg tcccgataat gtcggcgcc  
 423301 ttatctcgca gcctgtgctt gctcccgccg gttatccgac cgcgcggga  
 423351 ggcctatggg aagcgcgca ggcctgctg gatccctgct cctcatgttg  
 423401 gctccagac gaactctca ccgctctgc ccgcacccg tccatgggtg  
 423451 cgtcgcgca gcttggcctc gacgttgacc tgatccaggt tccagattgt  
 423501 ctgacctcgg cctactctcc gctctcagcc tcaactcgtc ggagaaaggt  
 423551 ctacaaggtc ctggaagacg gcgcgcgacg cgtcggcgcc tcttcccatg  
 423601 gctataccta ttcgggtcat cccattgggg ccgcgcgacg aaatccggtg  
 423651 ctgcacatcg tcgaaaagga agatttgcg ggcataccgc gtaggtctg  
 423701 cggctatttc caggcgccag tcaaggagaa gttccgcag ctccgctcgt  
 423751 tggcggaagt gcgcggtgct gcgcctgatg gcgcacatga gttcgttggc  
 423801 gatcgtgaga acagaagcgc tcttcgaccc tgcctgaaag tccagctcgt  
 423851 tgcctccaaa gctgcgcgcg acgcgcgcct tatttcgcgc gcaatgcgc  
 423901 atggcgact tctcgggttt ggcgcgcgcg tgcacacac agcagaagga  
 423951 gtcgatgaga tgcctgcact ggcgcggaag gcgcttgcct ctgctatgga  
 424001 tgaattggtc cgcgcagctc agaagctctg agcagatagt aagccttgc  
 424051 cggcggttga tgcgcgcgcg cgaaggtctg tgatcaacga ctgcattgag  
 424101 ccggaagggg gacagagatc acctttgcct ccgaaccaa ccgcacctcc  
 424151 ggcagagagg tcatcagaaa tagggaaact ggcattgatc ccgcgcacac  
 424201 tccacatgac gacacgcctg gcgcgcgacg ctgttccag cccctatgat  
 424251 gggctcgtgc tgggtcagt tgaggcgacc gatcctgcgc acatcgatgc  
 424301 cctcctggca accgcgcgcg gggcgccga gatctcgcg aatctgcgc  
 424351 ggcacaaagc agcgcgctc ctccagagcg ccagccagat ggttcgaagc  
 424401 cgtcagcgcg cttcttcgga gatcctctg cgcgaagcgc gacagacctc  
 424451 cgttcagcgc ccggaagagg tgcctgcctg cgtcaacac ctgagactgt  
 424501 cggcggaaga agcaaaagcg aatgcgcgcg agatcgttcc ctgcgtgac  
 424551 tataccggct cggagagagc ccagggctgg ttcacccgag acccgtgcg  
 424601 tatcatcact gccatccagc cttacaacga ccgcgtgaac ctgtcgcgc  
 424651 acaagctcgg ccgcgcgatt gcggcgggca atgcagtgt gctgaagcca  
 424701 tccacactga cgcactcttc gcgcgtcaag ctggttgggc agtcgcggga  
 424751 ggcgggcctg cctgaggagg tcatcacat cctccattgc acccgggaac  
 424801 tggtagcagc gatgatcgt gctcgtgag tgcgcatggt gtccttacc  
 424851 ggcgctttg gcgcacagc cgcctcgcgc cgcctcgcgc gcttcgaaga  
 424901 gcttcgcgcg cttcttcgga gcaatgcgc tgatgctgt actgatgct  
 424951 cagggctcga caagggctc gaaggttgct tctccgggcg ctctctgggc  
 425001 gcggcggaac actgcctcgc cgcgcagcgc attctgaccc agtctgcgc  
 425051 ttatggcgcc ttcgcgcgat cttttgcgc ggcgacaaag aagctcaagg  
 425101 cggagagatc ccttcaggag gacacgcgac tgggttcgat gatcccaag  
 425151 caggtggcgc aagcgcacga agcgcgcctc aacgaagaga tcaaggacat  
 425201 cgcagacgct ctttgcggca actatgcga aggtccctt tatctcoga  
 425251 ctgtctcga aggcagcgc ctgacccgcc ggctgtggca cgaaggaagt  
 425301 tttgcgcgcg tggctatgct tgaccccttc gacacgctg ataaagggat  
 425351 cgaagtgccg aacgatccgg actacagcct gcatgcgcgt attcttccaa

0939964-082701

425401 acgatctcaa cgtgcactgc gaggcagcaa acaggatoga gttggcggg  
425411 gtgatgatca acgatctctc cgactatcgt ttogatgcga tgcactatgg  
425501 cggcttcaaa taaggcagaa tggcgctga agttgtcgc ttgcgtcttg  
425511 aagatgatgc taagccaaag gtcgctgcga tcaatcgagg gtgcgaatga  
425601 agttccaaag ggttgactga atgcgcagc gtacaggcgc ggggcaaatg  
425611 ctctctacca ccggcgtaac ttgagggggg attatggata agacccaaag  
425701 caagatctgc gtgcgcggag ttgagggagat cggcgcggtc ggcagcctcg  
425711 atcctgacca gatccacactg cctggtattt aagtgcattg cogatcgatg  
425801 gccagcagca aaacacggctc gaacaacgca cgaagcgggc ggcggttga  
425811 gggtaggggg aagaatggc ctgggggtgc ggtgtctcaa cagctgtctg  
425901 ttgcgcagca ggcgcgcgtc ggcaggaag cgtttgcaa cgttgtgat  
425911 cgcagggggg aggcacattg ccagtgtcgt ggaatcgtgt gaaggaaagt  
426001 ctgagtctca tgaacggctgc cgaatttcgt ctctgcgtatg ttgcgttcga  
426011 ctgctctcga atgcgcggag acagcgatg tgaagcgcaa cagcagctcg  
426101 cgtctctcga ctctctcggg gcgagtacct tctgtccctg cggcctatcc  
426111 gggcgccctg atgcctcaa gatctgatg gcgcgcggcc ggtgtgatt  
426201 tcatatcgcc gacgataagg gacgcgatat cgtcagccac catctttgc  
426211 tgcgcccttt ccgtcggtg cttaatgact acagcgcac ttgcagctcg  
426301 tactacgagg ccagtgtcgc ctccaaactc gacgggtgc aggcgatoga  
426311 tatggggcga cgggcattc acgatgagg tgcgcagcta ctgaggggc  
426401 gtctctctgc taaggtgcac atcgacaaa acacagcgcg tcggctgttc  
426411 acgtctattt acgcgtcgt cgtctgcaac tcggccatc agatctctt  
426501 gaattgaata gctctgcgtc aaagcccaac agcggggggg acctcccaa  
426511 gtttcaagc cgggttcgca agcgccgga agttgcgtgc aggtgtgac  
426601 agttttgagg atgggcggg cagcggcgag gacgggtgc cgcactgatc  
426611 gcaggggcgc accgtggctg tgacctcggc ttgaaagggc ggcgtatttc  
426701 aaacgggtgt gaggtcgtgc tgaacggcga cgcgcgcaca atgtacatg  
426711 gcgttggtca gtccgtcatg gcaggcctgt ctctgcagca cgtatcgatg  
426801 cttgcgcgag cgtttggtga ccggcgcgag tctctgaag ctgcgcagag  
426811 cggcgctgtc acgtcgtgc agggcatoga acgcttctgc gacgcagctg  
426901 gcgagacaaa cctctccac tcgccggcag gatgcgagga tctccagctc  
426911 atgctgtctc ttctgcccg gcctccactc cgcggttgcg atgaggtcgc  
427001 cgttcaggcc atccagcga tgatcgccct gtttgagctg ccggttgacg  
427011 aggcggatgc gggccatgg cgtatgagc tgggcgtgg cggattcgtg  
427101 cgtctcggcg cgttcggcgg cgtgcataa tgcagctcga tgcagctcga  
427111 gggggggcgt cgaagcggtg gatcgatgg cgtttgagaa cgttgcgcgt  
427201 cgtgcctcgc cgtatcgccg cggctttgtc cggcgtcggc acggtgtccc  
427211 agatgcagca caaacactc gcccgcgagt cgttttcgag ctcaagcagt  
427301 ggggggaagt agcgcagag ctgcctcggc atacggttgc tcaaacgttt  
427311 gcgctcggcg ctgaggtctt cggcgatgc cgcacactgc cgcacttoga  
427401 tgacgagcgg gtccggagcc cggagcagcc gaagcaaac cggatcgtgc  
427411 cgcagggcgg aagccatcac ctgcggatgc cggctgtcgt ccttgacc  
427501 ggcctatggt aagcggctgc ggaacagata catttcttt ggtatcaatg  
427511 catcactcct gaacccgcgc tcaatcagc tctgcacac gggcgctgcg  
427601 ggcactcga tgcgacgtg gattttgtct cctccaaacg cgcgctcgt  
427611 cgcactcagc cagcgcgcaa tttgcggcgc cctctcggc cgtgtcgtga  
427701 agacacttcc gcgattttt cggccatcac cgtcgtgag gaacatcga  
427711 tggctctcgc agccactcgc gacgcagcga taacaatgtc tttgatcgt  
427801 ctacactctc cccggttoga gcatacagc caccgcgcat ttgcgcgat  
427811 cctgtactgg cgtcgggaaa agcagagtc cggcgcgaac tcccacgggt  
427901 gcacgatca cggccaatcc gacggggcac gtgtccccc cagtgctgcg  
427911 aggcacaggg ggcgatgggt cgtccctcgc gaatcggtc gtttcaggaa  
428001 ggcacgcca attcggcgcg tgcgccatc tgcagccac gttccgcac  
428011 cgttcacgtc gcggcgacca cgtcagcat ccaagaaacc gttccgagga  
428101 gtcacaaagt ttggtcagcg cctatcagca atctagatg gaagcagac  
428111 gtcgtatcaa tatccaga ttcgagtcag ccggcagaa caaatctctg  
428201 agcgaacgt cctcaagcgg ttacaggtgc gtgatcgaaa cgaattctg  
428211 tggctttctt gaagcgtgag acccaaaact tccgcctatg atgtcgtct  
428301 cttgatctac cggaggggct gccagaaagg atcatcaggt gcaactctcc  
428311 ctacacggtc cgtctcgttg tacggctcgc cggcgcatg tacagttcca  
428401 tgggttggtg atcgttgctg gacactgag aaccagtgaa ggcgcactt  
428411 cgtatcggt caaatctga cgcagaggg gtgcaggggc ttgcgcgact  
428501 aatgcgctc aatgtcgtc tttgtgact cgcgttggt ggtcccaag  
428511 gggcactcaa gatgcacgc ggaatttga ccccgagga gctcgcgac  
428601 atcaactgac gctttacgca gtagatgaa agcgcggcg atcgcgagc  
428611 gctcaatgt ttggtctcgc atatcgagca atcgcaggg gaaatggct  
428701 ggtgtatga tgggtctcgc cggcgaatc ctacagaggt ggtcaactct  
428711 ggtgttgtg tcaacggtaa cgcgtgtgc aaagcgggga tgcggggc  
428801 agggaggtct acgggcaggg cgtttcaatt cgtgatccag agtcccttc  
428811 gggcaccgc cagcgggggt ttggatggcc ggcgcaatct caaaggcgc  
428901 tcaactgtta taacggggt ttgcaatgtc ggtatccag cgcgcaggt  
428911 ttgtcggaa gaggtatgac cagcgtgac cgttttgtt gacgtgag  
429001 ggtatgtgc caatcggaa ggccttcca ttgagccct caagcaaat  
429011 cagatcggaa cagcgagcat tctcgggtt gatggagcca agtccattg  
429101 cggcgatgt tggcggtgc aaacggctg acagctctg attcagggg  
429111 cgtggaana tgcattctat gctgaaacg cggagggcat gaaggcaat

0933964-082701

429201 ctcgttgttc aagccgcaca cggacgtctc accttcgaag cggacagagt  
 429251 ccttcgtctc cggcgctgca ccatctttcc cgaattttat gtttaattgc  
 429301 gagggttgtc cgtcagttac ttccgagcgg tgaagaaact cagccacatc  
 429351 ccttcgggga cgttcgagcc ggcggcgagg gaaaggcgga ccaacacatc  
 429401 cgtccagcgg cttgacagga tgcacggcaa ggaattcccc gcacagatgc  
 429451 ggcagcaatt cctcgaaggg ggcgcggaaa tgcacgtctg tgcgtccggc  
 429501 cttggaagac tcatctgcag cactctggag cgcattgcgc acctgatgga  
 429551 acagcaacgg gaactcgggt actacagaac tgcgcgtatc gtccggtcta  
 429601 tccggcaggt cgtcgtattt tggagcgatt gggatatgac cgcgtatgac  
 429651 gaaaaacagg tgcggcgcta ccgactadgc ttactctcac gcatggctcc  
 429701 acctccggcg atgcattgcc aagtggcgag tatcatcggy ggcattcgca  
 429751 cctctttctc gatgggagcg aactctacgg ccatcacagt cggagcggca  
 429801 gaacatctgt cttgagggca actgggtctca ggcgtacggc ggggggtcaa  
 429851 tctcttgatt cgtctggaca aaccaacgag acctggatgg aggcacatac  
 429901 atacatcgac atggacgttc tccagagaga caagaagctg gctctccgca  
 429951 acgcgcgatg accagcccca tccgcgcccc aatttgtgta acctgacgca  
 430001 cagaaacctc ttttgacaag cgcagcttcg ggggtcgtgy tgcctctagg  
 430051 gctcggcgca ttggttttgt tcccgagttg cccgcagttg gtcctgatga  
 430101 ttgggtgcgc cgcgggttcg ccgaacgata gctatccttc cttggttcga  
 430151 tgcgcttttt ttgggtttcg ccgacacata cgtcgtggcg gatcggctgt  
 430201 tggcatgtgt catggttcga tggacatggc gatgaacaga tgggtgggga  
 430251 ttccgacgat cgcgcgcgat cattccaat tgcagccgcg caccgttcgc  
 430301 atttgatgcg gcgcattgta ggcgaccaat cgttgggggt taattgggac  
 430351 tacgaactta tcttgttcaa cgtggcgccg atgagatcgc tctggagcgc  
 430401 tgcagctgca cgttcgagga cctggcgccg cggcgccg cgttccacac  
 430451 ggcgcggcgt ggcgcgtctg cttccggggc ggcgtgtccg acctcttttt  
 430501 ggcacggata ttgtccacgg gttttgggtc cggcctttca cgtatggatt  
 430551 tggcgcggtt gacgcagcgg acgcattcgt tccgcgtcca tttcaagcgt  
 430601 gtgagcgttg tgaaccaggg tgcaccaat tgcgtgggca tagtggggtt  
 430651 cgtcgtattt ttctgacctc cgggctacgg gyaattggct ggtgacggag  
 430701 gtccagagctc ggcgtatcgt tctctcaagg atctcagaca gataattggg  
 430751 agcattacgg tcgatggggt gaagcccgta atcatcgagg atgaagaatt  
 430801 cgcgcggccc gagacttttc aggcgcgttg cagagctgcc gataccggcg  
 430851 cgtcgttcca ggtctctcag caatccgcggc atccggacgt aagaggggac  
 430901 atgattcgtt cgcgcggcgg tctgtcccaa tgcagcagcg aacacggtc  
 430951 tcccgatggt tccgtccggc agtctctcgt agtctctcgt tttctgac  
 431001 cgtcgcggcg caatcacgag gtccaggatg gtccgactgt attcggcg  
 431051 tgcacggcga atgatattt cgggaacagc gggtaggtgc attctcggct  
 431101 tacgaagtgc gacgcgaaga cgttgttgtt tgcgcaggtt ggttctctga  
 431151 tccaaagaca gcgcacgcca tctccatgta cttgaggttg cgtctctg  
 431201 attatcggcc agtcttgtga aggcgtctgc catcacggca agcccaaat  
 431251 gctgcagcag gttgagggta ggttgtttga gcatttttat cctttccatt  
 431301 ggtgattctc ggcgcgcggc aggttgggaa gctggatcgg tctcgtcgt  
 431351 aggcgcctgg accttggggc ggcgtcgagt tcccttctga gattggattt  
 431401 gctgcgggga tagttgagca cctggaaatc cagcgccggc gtcgagcgc  
 431451 cttcaaggcg atcgacgcca aacggtattt ccaggcgcat gatcgacga  
 431501 ccagcacagt atcctgtctc ggcgtgcggc cgttctcaa tgcacgatcc  
 431551 gacgagaacg cgcagcatcg gcccgatccg cttggcctcg ctcgggagtt  
 431601 tccgcggcgt ccatcgoga taaagctgat ggtttggggc catatgcacc  
 431651 gcaacccgtg tctggcgccc gttgctgctg ccaagcacat ggcgggcaat  
 431701 ttggttcgcg ccgagggaata ttccacgct ggcgaatggt tatcgaaatt  
 431751 cgtactcgtc acgcgcgaag cgttgaacga cgggaataaa atgcgcactg  
 431801 agttcaatat gataatcgat gccacaacga caccgacgcc attccgcatt  
 431851 caccacgggc tccgcaggtta ggggttccag atccggggca tccagtggt  
 431901 caaacacagc gcgcgcgctc tgcgcgtact cgggtatcga cgttgttcca  
 431951 ttgagccggc tgcacagatc agctatggcc tctgtgatg cagcgaggt  
 432001 ataaagctc cgttccgcca ggcacacagc aagccaaagg tctacagctc  
 432051 cgaacgaatt ttgcactttt cgttgtctcc tgggttttct cggcggtggt  
 432101 ggaataactg cgtcgtgcta atggcgccgc atatcgtat aggaagcatt  
 432151 gaccatcgga tgaagtgac aagccttgat caccgcgat ttggtgttgt  
 432201 cgtcagaccg gatttggttc accccaccca aaaaacggta ggtcgtgtg  
 432251 tgcgctcga tccagtcggg caactgttcg ctcacgtgc ccagcgcgaa  
 432301 cgcagcgtcg gacgcggcca tccacgcgcc gaagatatgt ggtcccgga  
 432351 ccacgcgggt ttgggggttc acgactgcca ccttgtctcc gctcaatg  
 432401 acaaacagct tctcgcggcc ggtatggctc tgcgcgtaca ccagggcag  
 432451 cgcgcggcgt cagtccgga acaatccca gttctcgaa tatcgaaac  
 432501 cgtctggatc ccgagcaatg taactctccc agagcaactg caactgtccc  
 432551 tgcctgcgtc tcaattcgcg cgcgacggca gaaagtcgg cgtcgagct  
 432601 cttccgaagc ccagctttct taacggggct cccgtaaaag cgtcgtcca  
 432651 gctcgggttc actgatgcta tccggttaag gccatgtcag tcttccggg  
 432701 tgcacatcgt ttaacgtgtc ggcgaacgga gctcccgga cgcacgtg  
 432751 cttggcaatg atcggtttcg aaagacgcac atccagcgcc agtttccaaa  
 432801 tctcgcgcac cttggcgcat agagctctcc tctgtggcaa ttcacttct  
 432851 catggcgtg cttccacgtg gagaataaac cccacgctc gggcgtccg  
 432901 atatcgact atgcgcggcg atgtcgtgc atgtcgtgc ggggaattg  
 432951 cgggaattgt cgtcgtacca tctcgaagc gtcgcggcga tcaaatgga

0933964-082701

433001 atgtgtggcg cgatgagccc ggtatccgca cagatggggc agcgaggtgg  
 433051 agaaacacat gagggcgcca ggtatcgctg cgtttcaggt catgtggttg  
 433101 gttgggggtg tttctggggc agcaaacagg cgtttcaggt catgtggttg  
 433151 ctgtgttctg cgtgtgtatc cgtgtgtatc ctgtgtgtgt catgtggttg  
 433201 cgtgtgtgga tcaactatcc agacattcat agaaatagcg ctggagcgtg  
 433251 gagcagggcg gaaagtcttt tggcaacatc cgcacattgg agcccggtga  
 433301 ggcgatatag cagcgggttc acaactctgc gaaatcgtt ctgtgggggg  
 433351 cggcggagac ggcggggggc aggcagagac ggtgcaatat attccatttc  
 433401 ggcgttcgtg acatcggttg catatcagct cgtcgcagcg atataattcc  
 433451 cggcgggtgt ttcagtcaca gccatctgta gctccatoga atcttgcaga  
 433501 atccgaagga atccaaactg actgaaatcc tccaattttt tttggggcag  
 433551 ctcttagacc tcaattcccc agtcacacgg atacttgcct ttgcagcgag  
 433601 catggtgggt tctcttggtt gggggttggg caggtctcgg gaactggggc  
 433651 tgcgggggag ggtatctcag tgggttttgg caggtctcgg gaactggggc  
 433701 aggtcggtat gtttggcaat caggtctcgg caggtctcgg gaactggggc  
 433751 tcaaaagcaa gatggcaaca aggcatacag caggtctcgg gaactggggc  
 433801 tgttggaggg attcgggggc acaggttcat ccaacggggg tcaacccacg  
 433851 tttggctggc tgggaagcca ggtgtgtatt catgaggttt ctttttggc  
 433901 ggcacatttc agcatcttcc ttgctccac ggttccaggt aggtctggtg  
 433951 ctccgggaag ctggggcagt aagagcggcc agcatcttct gaggacacaa  
 434001 aagcggcccc acaggttttc attctcaaac ttgcaactcg gctcttcgat  
 434051 atcttttttg ggaacataag ctgcaaacgc gctgcgcgtt ctgcgggatg  
 434101 ttaacctcat cgtgcttttc ctctgttgac acccctgggg cgtcgggatg  
 434151 tttttgggtg ttgagttcccc ccgaggtctc gctcgggatg cgtcgggatg  
 434201 ccaacgagca tcccgagacc aatccattcg accgcaata ttgagacgtt  
 434251 ctgggaatct gtcctacat cggcgacaaa acccggctcg ctttttctat  
 434301 cggagcgttc tccgatttcc tccctcgggt aggtcggctc attttttat  
 434351 tggcgtgtgg cacaacctct cccacccggc ataatcgtg gaggattgtg  
 434401 gatttggact tctcttctgc tcccaatact cattaccatt cttcttggg  
 434451 ttgcgattac cagggggaga cccaaggtcc ggcggcgcac ggaagcccg  
 434501 ctatggcatt cgggggttaa cggcgacgc aggtcttctg catggggcgt  
 434551 acagagggcg attgtgtat cgtgaaacgc ccttgcatt cgttgcatt  
 434601 ctctgggtat atccagttat ttttgcgttt taactcgata cgttctggag  
 434651 ggcattcgaa ctcggcggcg cgcgactggg gctcctggta ttgctggag  
 434701 ttgaaagcca tttatttggg cgtctgttga tctcctgata gatggggcag  
 434751 ggcgaggaat ttgtcttoga tggggcggtta ccaactcttc gatgggag  
 434801 agcgtgtatc ggcgcttoga ttgagtcata gccataggtt tctgttggc  
 434851 ggtcccgagc ttccatgagc ctctctcttg gacaattctc tatcttggc  
 434901 cagagcagca tgtctatgcc gtcgagtgca gcatgatgc cagcgagggc  
 434951 ggcgtctctg cccacggcgc catggcaata cgtctgacc ttctgggtcg  
 435001 ccaagaaatt aatccctgtt tgcgaggtct cgttaaacctg gaactcttc  
 435051 gcatggcgca agtgtctatt gatcgctcc cgccttttgc ttgcagcagc  
 435101 caactgaagc gatccagga ttttgcgaga tgcgacggtt ccgcatcggt  
 435151 tctcttagc ctctaaatgg tcatcggcta tggctggag cactctcggg  
 435201 taggcctgac gcttggcgcc gctgtatgg cgttgcgag cagcgtgttc  
 435251 ggcgtgtatc tctgtccacc gctcagtgcc ggaagggcg actgcagtg  
 435301 cagcgacgtg tgcacgtga cgcatacgtc tggcacccgc ttcaagagtc  
 435351 tctggaagcg cttctagttc gacgcgattt gggcggcgct gtcggtcag  
 435401 gccaaaggag gttctgtgtg cggggtctga aatcagcgcc atgacattg  
 435451 gccaaagcgc gcgcgctcct ttgacccatt ttgtgacct gatcaggtg  
 435501 aggtcattga cgcgggggat cataccgcaa ttgattctgg tggaggtgac  
 435551 cgttggggtc agcatctcaa gttcccaact ctgctgctca tgcaggtatt  
 435601 tggcagcaco cagcgggtg tagcggcgat gccatataaa gatcccgag  
 435651 tagattcttc cgcgcagcgc ggggtcgacc tctgttgag ttgattgtac  
 435701 gtcggtgagc ttcatctcgc ggaatgcac aggttgatgt cgggaatctc  
 435751 gtcggtgagc ttcatctcgc ggaatgcac aggttgatgt cgggaatctc  
 435801 cgtcgggtat tgcgcttctg cttgtctcgc tctgtcagc catcgccggc  
 435851 cgcggtgagc cgcggaactg aaagctggcg cacttctgtt aatcgccgaa  
 435901 ccaacttggc cagcggctgg tggggtgtca gcttttggga tacgagccaa  
 435951 ggcgcgacttt cgttggcgca gtcattttg cgttgcagc aattgctgt  
 436001 gatgttgagc gctgttgaga ctgcagcgtg catacggggc aaatagtggt  
 436051 ggcgttcttc tgaagagcaa ggttgatcct tgatcttctc caggttgga  
 436101 gaatccatgt cgttgggtct tgaagagcgc cgcgagggag aggcagcgca  
 436151 accacgggat ttgtgggttg tcaagacgtg ccaaggggat gctgtgtg  
 436201 tcaaggtttc aagcgaaatt atcgttgagc aaagagagc gctgttgca  
 436251 agtcaaaagt cgtctgtcaa aaagagagc gctgttgca ccaatagccc  
 436301 tcaagagcgt ttgttgcaat tgcgagcaga agcgggcaaa ttgagagata  
 436351 caccggcgcg cctgaggagg aggggaatgg cgcgagccag atcaagggc  
 436401 tcaagctgtc tagatttttt tcaactgtat atgatccgc cgttaagcat  
 436451 agcgcagctg agcgggtgtg aggcggagga tccagagtc cttcgtgta  
 436501 acccagcgcg cttctctcat cgcgtgattt agcagctgag gttcagatg  
 436551 atgtggtgac accgttaagc cgcggagggc ggcgggttaa cgcagagtcg  
 436601 cgcggtgctc gactggcaaa cgtttgtctc tggccatcag attgagcgaa  
 436651 tggctgcaaa ggcgtctgtc acagctgttc cgcagcattg aggaagagca  
 436701 ctggtcattc tggcaggaga aatcgtatgg acaatctgct gccgaagctg  
 436751

09939664-082701

436801 cagagatgac ggtcctgcgg aacagatgtt caagctctcg gacgttgccg  
436851 ggaatattgc atcttgacag gatctcaggt gcgcagggcg tgaattcgag  
436901 atcgagattg ttttccctgt tgacacggctc gaggaaaacc ttgcgaagcg  
436951 gtcaaatctc tcaatttcgc tccctgagag caggttaaaa gagaagcctt  
437001 acattgatgc gataataaag gtacgcggcg aactccccct cgcacacggc  
437051 cgtctccagc tccttggttg tgccgcatac gactcgagac tcaacttgga  
437101 gcgtttttgt gcgcgcacac cgtccaagct caacttcctg caagacggcg  
437151 aacagtttgc cttgaaaggc cggcgagatc tcgcgatttt cgtcgagcaa  
437201 cagcgtcccg ccactccgca gttcgaaacg gcctcgcgcg tgagagatgt  
437251 ccccggtaaa ggcgcctctc tcatgcccaa acagttccga ttccagagcg  
437301 cctgcagaca gtgcgcgcca attcaacttc acaaacggct tttttctgct  
437351 aggtgaaagc tcgtggattg cctttgcaaa gaattccttg cctgtgcgcg  
437401 tttgcgcctc gagaagcacc gcagagttg tttgtgcac gactttgacg  
437451 ctttcaacaa cttgtcctgg tgggggggct ccccccgcac tccactgatc  
437501 tctcgtagcg atcgttcggg tggcttcagg cagttccctc tgcctccac  
437551 taactctgag atgcgccttc tgcgcgatcg gtgcactatc cggctctcgc  
437601 tggccattca gccgaacccg tcgtgcgcga aggttgcgga ccactgcagc  
437651 gaaacgcacc tcttctccaa attgtgtct ggttgctgcg ccactccttg  
437701 cgcggttgat ccataatggt ccaagcgttt cttgatcggc cttcactcgg  
437751 acacaaatga aggtgaattg gccagtgccg ctacgatac tctgaagtc  
437801 atccgtgaac agttccgact tgcaagtgtc cgttcagacc agcgcgac  
437851 cttttgcgac gattctatct attgcagcct tcgcagcaat tgggcgcgcg  
437901 cctgatgatg gaggctcaac cccgaacgtc cagatgtctc cgggtctctc  
437951 ttccagcgca acacgcgcga tgcgcgcgcg ccgatttgcc aaaaatcgcg  
438001 ggggggtgtg gctgttcgg gcagagctga cgttcgaagt cgttcgaagt  
438051 atcaaacctc tgcatactcg atagagcccg ctgcacccca agctcctgtt  
438101 gtgcataggt tttaggggata attcagtcac acactatcg agtcaattct  
438151 taagaggaaa cactttgagc gtgtacgaaa cggcccttgg cttccctacga  
438201 gaaatgcgcg ccttgctgcac attatcaagt gcttgcgctt gcaactgtga  
438251 gcgcgcctga acgtaccact cttgttagac aaaaagtga tgcaagtcac  
438301 ccgaatttaa agagacacac gaatccact cggggataga tccatcaat  
438351 gtccacgctc tcttcgcaca gtaactacaa tgtcccgcat tccatgcact  
438401 cactccgaat aaactctact tggcgtctt cattoactc tgagagattc  
438451 cttggggaaa ccaaggttcg cccgaacag tttgggtctg gacagctgta  
438501 ctcgcgcaca ttgatgttcg gcgcgcgcg cgtccctcag tgcagctgta  
438551 gtaaatctc gttctcaatg cgaacgctcg angctgtctt ctcaagcttc  
438601 ccttttagcg ccatgcacgt gccaaagcga ctgcgtcgtt gacagctctc  
438651 catcgcgaca gcgctttaat aagagcgccc gttgctgctc tttcctctc  
438701 gatcttggtg gtgcgctoga cgcgcacgaa gttttggccc gcttcgcaca  
438751 tcaactcgcg ataagtcgtg aagaattgt gtgaattgt gtgagcgaca  
438801 cggggcatgt ccttgtaact tctgaggtct ttccagacga aagactgttc  
438851 cagcatggcc ttgtaaatg agagattgtc actcgtcact ggtgttttc  
438901 ggtcttgatg tgcggcgatc gcctgcgcgg cgtcggggcc cgaactgat  
438951 gcagagttcg agcctccgag gctcaacggc ttgttgagct gcgcgggttc  
439001 gccacccacg acccagccat gcccaagag ctgcgggaat cgttgtaac  
439051 ggcctccgag aatgagtgcg gcgcatact ccttaacttc cgaagccgca  
439101 agtagcgccc ggaattgatg ttggttcttg aatgcgtcaa tagcgcgta  
439151 aggaatttcc aggttcgctg cgaattggga gcaagggcag ccgattgcaa  
439201 gagagatcga ttctctgttg gttgagagga atcccaagcc ggcattcgcc  
439251 cgcgagattg tccctgcgcg ctcataaca cagccttgat cgcgggtga  
439301 gcgaagcgtc tcaattgatg cctctccggy taggaatgc atttcttga  
439351 cagcagtgct cagcgttctg ggtttggcca ccttgcgaaa tctgctctc  
439401 gtgcgcgga ggcgctttac gccttcggcg agcagacaa cgtcgcgtc  
439451 gatgaccccg ccccgctoga cgttatggac gcttatccac ttgcgcggcg  
439501 cctcaagagc cagttccgct accctgcgtt cgcacaaac tatgcgctg  
439551 gcctgcgtga ctttcgcga aaacacttgc tgaactggt cgcgagatgt  
439601 cgtgttaacg ttggcgccg gtcattgaa gtctccga cgttgatgca  
439651 ttccggtgtg tgactgtctg tccgttaacc agaactcgt ctcgacacga  
439701 tgcgcgtcaa gaggctcact atcccgcgaa tcggggaatg ttgtctccg  
439751 catgttggyg tacaagatgg cgccttgga cgttttgga cccggaattt  
439801 ctcgcgctc caactgcac acttttagac cgcgacttgc catgtgtat  
439851 gcagcgcgtc ttccagacat accgcaccc agcagatgg cgtcgaact  
439901 tttcttggtc ataggtttta cctcagttca caactctcag acgattggcc  
439951 ggcgcacacc gtttggtgaa agcttcgcgc aacgcggca gaaagctgac  
440001 agcatcgtgt acacacccga catgggcgaa atcagagga ggcgctgtg  
440051 gctcgtgttt gatgcgcga atcaggttga tccctcgac acgcgcggg  
440101 tgtgcacgg cgtcgatat tccagcgtct atataagct tcgggggatg  
440151 cgttttgcca gtttggcga tctgcgcgac agctggcact cagccctttg  
440201 ggcagcagcg cctggaacag cgttagtcac cgcgcactgt cagcgcggatg  
440251 tctttgataa gcagcaggtt cctctgactg ctgagggcca gccgcggcg  
440301 aacacccaca tccgcatagg cagatgtgct gttgcgcgat cgtcgtctg  
440351 aaggaacacc gaagaccttc gtagcgatat cttcctccaa catccgcga  
440401 tcgtgcggga ttacccgcgc gatcgctgtg tttgacgct gtcgcgctg  
440451 catgaacttc ggcgcgacag ttgcacttgg gggccggga tttgactgat  
440501 aaactgtgca aagcaacgag cccagccgga tggcgagct agtgcagag  
440551 gaacgctcct cgtgcacatc aagtcgggtg cagtcggctg tgagcccgct

102280-1966660

440601 cagcagctgtg gtgcgcacgg aacggcgagc gtgcgcaccc agcgtcgtgg  
 440651 cagcagagcg cgccttcggc gcttctggcg taatgcacag atctgtcagt  
 440701 gcttttggtga aagcgtcgtt totataatcc gtgcgcagcg gctcctgcac  
 440751 gagatacaccc agatccggcc catagcgcgaa ggcctcagca ggcgcgttgc  
 440801 aggtagatcc cccggcgagg ccgagataaa taactcggag ctgaaacccc  
 440851 agttggttcgg caagctctgg gecttctggc agaagttcga aogagacggg  
 440901 gtggacatgg ccgcgttcca gctccatgaa aacccagacg tgcgggtagt  
 440951 ctctgaattg ctccggcgag tccctttttc tgctggagcg ggccttgggc  
 441001 ggtgtggtatg ctttactttt toagattccc ataatctgct cctatctcgt  
 441051 cagcctaaga gtggagggga gctcgtcgtc cagtgccggc tgcctgggga  
 441101 agattgaagt gcccgcttgc cttagctacgt cccgcatctg cctctcgagc  
 441151 gtgcgcatct gacccgctct ttgtctggcg gggtaaggcg caaagacggc  
 441201 cttgcgcacc ctgcggcgac ccggcgaccc gatttttgg atgtctcaa  
 441251 tgccagcctc cccgccttcc cacttgacga ttctcgtcgg ccggcgccgg  
 441301 aagcctcatc caagtgcgac ggcggcgatg gcatctgatc cttccagcat  
 441351 ggtgatccgg caaggcaatt cgtctctcag gaegtgcgtc ccgctctcgg  
 441401 ccgagcgtcc gacccgaatc ggcgcgttgc gggatcaaat ggaagtgaac  
 441451 ttgtgcacat aggtcaactg ccagaggtcg aggcgtcttg cttatccggc  
 441501 gcgcacctgg ggggtatcgc cgtgatcgt ctgcttgcct gtgagacgga  
 441551 tatcaggoga tccaaagcta ttgcacatct tccgagttgc ctgagaaaga  
 441601 gcaaatgaag tgcacagctt gtgcgcagcg gccaaagtcgc gttcgttcgg  
 441651 gtagtatcgg cggcttctggc cctaagtagc cgcctctctg aaagattctt  
 441701 ccgcctatgg gggcgcttgc gtgcgcacgt tgaacctcgg ccctcgttgg  
 441751 tcaacacat aggtgctcgt ttgcggcgca aacagctcgt aaggttgtat  
 441801 gatagtccgc accgcttggc gcatgatcgt ttgtctcacc ggtatggcgc  
 441851 gtatctcggc cgaatccggg acttgcttga tacagataac gatgtgcagt  
 441901 aggtctcttt agtcctgcat gctgttaaaa tgacgtcttt cgcctccctt  
 441951 caagacacca acatgcacca ccaactgttg tccaaagaga cctgaattcc  
 442001 taaggagctt ttctggctca caggatgcga cctggctgat agcgttgtgt  
 442051 gcttcatgac atogaatcgt ccgaacccgt ccgtacttgt cgttttcggc  
 442101 tgatctttag ccagatccca atgacaaatg tgcggttagg ccgacccgtg  
 442151 atcccgatgt aaaaagggga agtggttgca aactccggcg tttctgttaa  
 442201 gtgcgcgcga cctctccggc ctatgcacgt ttgtgcggga aagcgacgga  
 442251 atgtgcacgt tgcgtgcctc ttctctgga tgcacctaga tctcgttcc  
 442301 cctctgttcc ttgcgatcgc cgaagacttt cccgcaggcg cagttctctc  
 442351 gtgcgttggg gttataaag atgaatcgac cgggaatgac acccgttggt  
 442401 aagtcacagg tcatgcggct gacatgaggt tgagagggtg agtctacgta  
 442451 caacttgacc ccacccgcct caatgacagc ctgcgcgtcg ccgcactcgc  
 442501 tgtccaaagc caggttggtat ttaaaacccg ccagcccgcc cgttccactc  
 442551 ttgatgcgta gccactccgc cggctcgcga gtctgtgaaa gcgcgaactt  
 442601 tattggcgca ctgcacatgt cggtagaggt tatcatgggt tgcgttctcc  
 442651 tggttcttag togtcttgga acgatgcacc tagttgcgcc cctctgtcgt  
 442701 atccagaaaa caacggcttg tccaacacg cctctgtcgt ttgtacgaca  
 442751 cagtcgtagt tgcgcacttt tgggtgatta caacagatgc gtctgaggtg  
 442801 ctccggcgag ccgcagcagt cgaactttat cctcggcgag ggcctcgtgag  
 442851 actccggcgc ggaagattgga taacccgtcg attgaaaggaa actaaacccct  
 442901 cagcgggaat gtcgcgtacc gttccgtgcc gcagcatgga cttcctcggc  
 442951 gcaatacctt catgtcgggt tacatagccc aaatgctcct cttgcggaaq  
 443001 ccagttcgat ccagacatca attgtgatga cagacttgct catgggaaat  
 443051 ccctcttaac ttgggttccg tgcccgaaga ggcgctatag aggaagcagg  
 443101 atctcgttga aatgattat ctogaatgga cgcattagct caatggatcg  
 443151 aggaatcgtc cggcgagagg accggcaagt caacttgagc ggcgatttct  
 443201 cgtctgcggc gggttcatga aagtgcgtgt gaaggtgcgt ttctgttctg  
 443251 tgccgcgtcc actgtccagg ccgcctccgc aactacagca tggatagctc  
 443301 acatgaaaaa atcaaaatt taatcgggac agacccgga cctccggtgt  
 443351 cgaagctcct caggtttcca agaatgtttc ggggagaaga tggccacata  
 443401 ggtatcgact ccgagttgtc ccgaaaaact tcttcttcga accattgtct  
 443451 caccacgcta tcaattgaca ccgagcgcta gcgcacaag cgcattccga  
 443501 agccagagatt gtcctttgca accagcatgc ccatcttgcg agtgaattcg  
 443551 cccgaaccat ccgggataag cctgaccttc totaaagcca accgcttgcc  
 443601 ccattgcgttc atgacggagc cgtcatcaac tgacagcgag tagacgggt  
 443651 cgattcctac cttccgaat tctcgtttaa gttctccaaa tctctggcaat  
 443701 tgcgtggttg agcaggtcgg ggtgaacgca ccgggaagcg taatggcaat  
 443751 gcgcgcttgg ccaactgaag actgtcgtgt gctcctgact tcccatcgggt  
 443801 atgggttggt cctctctatt gctcgtctgc gaacacgggt cccatcgggt  
 443851 agaaagggga cctctttttt caccggcatt gaacatcgct ccttcaaaaa  
 443901 agaatcgagc attcgcgcgc ttctggacct ctggcggaag accgttaact  
 443951 aaataatcag ttctcgtgcc aacgaacaga cagcaagcgg cgtgcaactt  
 444001 tagatccaag cttcaacagc actgcttttg ttaagggtat ggaactcttg  
 444051 tgccggagct ggcgcacatt ctctgctggt tccggttaag aaactcga  
 444101 gctgctcttg tcaagagacc gaacatacgt cgcctttgtc gtccttcga  
 444151 cagcgcgcat ttcccctcgc ttccatcaga cctcgttcta gctttgaaat  
 444201 ggaacgcagc aacttaacc tctgcgtcag cagactggat tggcagaaat  
 444251 ttgaaacgcg cccggggggg ccaactggcg aggaagagat cctcgggggg  
 444301 cctcgtgttg gaaagaaag agggagagct gggacatcgt caaatctaga  
 444351 tcaagtgccc gctttctga aaggagaggt aacactcga atcagataga

00939964.082701

444401 ccgcatggccc cggttggcga cagttatccg aattgctgga cctggagccc  
 444451 tggcgcgcta cggacccctga aatggatttc gatcagtaag tggttgcatg  
 444501 tgtccctttg cgtgcacatg aggaataatga tgcggggagc gcaactcgaa  
 444551 cagagagcaac aggtctcttg cagctagagc tgcgggacat cctcaacacg  
 444601 agttctccg cccaaactat tcaatgtttt cactgtgagc agtgagagc  
 444651 ttggagagccc ggcgcgcgag aggaactctt cggcggtctg ctgcctggcc  
 444701 atgctcgagc ggcgcgattg cggagcgtgc tggttgcgaa aactatagcc  
 444751 cggcgtgcoct tggcgcacga ccatctctgg agggagcttg gtctttttga  
 444801 toagagtcga ctcagccgat tgcctgcgag ccatttcocaa acgcttgacg  
 444851 cggcgaatac ccaaaacatg cggtygaaga agtactttta tgcgaagctg  
 444901 tgtgagggcg agggctatct gctgtgcacg ggcgcctctt gcgcgcagt  
 444951 caagggaatt gagagctgct ttggtctctg ggaaggcgaa agtgcctaac  
 450001 cagtcgggaa agttggcga gagctgtgag ctcgaagccc gcttaggtcg  
 450051 gctatagagc gctggggagc atttttgcta tctctgcatg cgcgagttac cgcgagttac  
 450101 gggctggcgt ggcgcgaagc acccatttat agactctat acgtccaggt  
 450151 cctgcggcgc atcgccgtgc gcatcctgat cgggtatttc tatccggtat  
 450201 tggctcccaa gatgaagcgc ctcggcgagc ccttcactat gctgctcaag  
 450251 atgatcatcg cgcgggtgat cttcctgagc gtcgcgacgc gcaattccgg  
 450301 catgacgat ctgcgcaagc taggcggtgt cgcggcgaag cgcgatcat  
 450351 acttcctgac cttttccaac ctcgcgcctc tctgctgctt cgtgtgcgc  
 450401 aatgtctgct agcgcgggtg cggcatgcaac atcgacccgg cttogctoga  
 450451 tgcgaaggcg atcgccact atcgcgaaaa ggcgcgatag cagtcggtca  
 450501 ccggtctct catgaacatc atccgcgaca cgttgtcgcc cgcctttgct  
 450551 gagggcgaca tctccaggt gctgtctcat tgggtgctgt tggcgatctg  
 450601 gctgcgcgac gtcgcgaaga aggcgcgagc cgtcgtcgat tctcctgacg  
 450651 cgtgcagctt gcgatctctc cagctgggtg caatctgat gaggccgcgc  
 450701 ccgatcgccg ccttcgggtc tatggcgctc acaatcgcca agtcagggt  
 450751 ggcatacatt gccaatctcg cgatgctgat cggcaacttc tatctcaat  
 450801 cgttctctgt cgtctctcat gtcgtcgccg cgttcgacg ctcacagcgc  
 450851 ttctcgatcg togcgtctat ccgctacatc aaggagaac tctgctgctg  
 450901 gctcggagcc tctcctcgcc aagcgccgct cccggggctg atgacaaga  
 450951 tggagagagc aggtctcag cgtcgggtgc tggcctctct catccgac  
 451001 cgtcaactc tcaactcgga cgtgtctcat cgtcgcgac cgtcgcgcgc  
 451051 gctgtctcat gcccggcgca cgcatacgcg aatctctac ggcgatcaga  
 451101 tctgtgctgt cctctatcgcc atgtgagtt cgaagggggc aggtggcatc  
 451151 accggcgctg gcttctacac gcttgccgca accctctcgc cgtttccctc  
 451201 cgtgcggctc gcgggcctgg cgtgatcct cggcatagac cctctatgt  
 451251 ccgagtgccg ggcattacc aacataatgc gcaatcggt cgcacagatt  
 451301 gtcgtggcga agtcggaagc cgaagcttgc cggcgacgc tgcacacac  
 451351 ccttcgagcc aaggcgccgc tggagacatc gtcggggttg tcaagccagc  
 451401 ggcgtgacac ttttgacct ggcacaaaag tgcgtgttgg cgcgcacat  
 451451 tccgcagat gtaacttgc cgtgcgcga gggggggcgt attcccgctg  
 451501 aattgctccc gatcattcgc ctcaggtctt cggcggtccg ctaagcttat  
 451551 gagtgaetta aggagaagc gagtgaagc caaccacac cgcagctat  
 451601 ttccgcgcgc actcgtggc caetctagtc tcttcagctc gctggcatc  
 451651 ggcgcgagc ctaacgggga tccgcagccc gcgctggctt gctgtcaga  
 451701 tgatggccgc cagatctttt actctccttc caacagcgc gatggcagc  
 451751 gtaactgggt gataacagc gggagagac accgcgggt ccttgaggt  
 451801 acagagacct ttccagcca tgcagacatc ttgcgcgcgc cactgggc  
 451851 acactgggcg gtaactcccc togaattgga ccccgcgcgc cctggagct  
 451901 tgcgcgact gtaaacatc ctgtctcat cgaaggggt gctggcgctg  
 451951 gagcgacta tcaatgcgc agcagggcgc ctagatgatc gatttgcaa  
 452001 agagaagacc agctgtgagc tgaagaagga ttgcgcttg cctttacgt  
 452051 tcaagctttt cctcagcttt ctcgggattt cccagagcgc atccgaagta  
 452101 cttgtcggtt ggttaagcga ttgtctccac ggcacgcag aagagcgag  
 452151 ggcagcagcc cgtcgggtgc tggcctttat tgaagaaag cagcgcgat  
 452201 gcgcgaagtc gccagctgtc gatttcagga ccttgctgt tcaaggcgaa  
 452251 atcagggccc cgtcctaac agagaagga gtcgcgcga cgtgtgct  
 452301 ttcttgctc ggggggtgc acaggtgtgc cgcgcgcgc cgttgagct  
 452351 ttgctctat tgcgcgata ccaaaagacc agagttatc gggaaagca  
 452401 cgtctggc cgtctgcgc cgttgagga ctcctggcgc cctatccac  
 452451 cgttaagata atccgctgc ccaagagga catcgagtc gaaagcgctg  
 452501 ctatccgcta ggttgattat gtttctgtc cgcgcgatgt tgctaatga  
 452551 gatccgtctg aatttaagt ccccaagact atogatgtg caagacagga  
 452601 taacagcac accgcctttg gctatggac aacactttgc caagcgagc  
 452651 atctgcagc ggcgaagaa gtaattggcc taagtgaat gttagcgcc  
 452701 atccagctt cgtcatcaa agaaagtcac ggcgcgataa ctaactgggc  
 452751 ccaatgattc ggaatagta atactctat aacttggccc tcttgagc  
 452801 ggcgcagcgc tagcgcata cgcgcgcgc ctcgcgcgc tctgagc  
 452851 accgactat accgcacat gatgaagga gaagcgataa ccaatctat  
 452901 cgcagcga gcaatccgc actgtctcca tgcactgtg agcaggtat  
 452951 accggcgaga cggagctgca ctcgcgcgct gttattggcc cgtatgcgt  
 453001 gaaatcacg gaagctactc cggctctgcc gcaaggttta ttcagctgc  
 453051 actcaagctc ttcacaaact agcgcgcgaa catccacgc cttacgaaca  
 453101 taactatga gttcctggc ggcagagag cgcgcctga gatttattc

09395964 082701 102300 +9606660



448201 acgcgcgctgc agcgcgcgtca cgcgcgcacaa ggcgcgcataa agcaggtgct  
448251 cctgtgcgggc cgcctactgtg atctgtcttcca gaaagagga ggcgcgcgc  
448301 gcatgcgcgc aagcgcgcgtg gtctatgtatb aggttcagaa acagagacca  
448351 ccgaagctcct cgcgcgcgcgc cgcggttcggt cctgcgcacac cgcgttgggc  
448401 accgcctccg aatgatcccg ttacgaact ttcgaagcgc cgcgttgcgc  
448451 cgcacaaatca tccaaagcgc ctgctgcgcgc gtgcgcgcgc agaacccatga  
448501 tgcgcctgcgc ctacccctcgc atctctgcgc cgcgcgcgcgc cgcgcgcgcgc  
448551 agcgcgcgcgc agcgcgcgcgc aggttcgcgc gcgcgcgcgc tgcgcgcgcgc  
448601 aggtgcgcgc gcgcgcgcgc gcgcgcgcgc cgcgcgcgcgc tgcgcgcgcgc  
448651 atgcgcgcgc cgttgcgcgc gcgcgcgcgc gcgcgcgcgc cgcgcgcgcgc  
448701 cttgcgcgcgc atctgcgcgc gcgcgcgcgc gcgcgcgcgc tgcgcgcgcgc  
448751 cgcgcgcgcgc agtgcgcgcgc cgttgcgcgc cgttgcgcgc gcgcgcgcgc  
448801 cgcgcgcgcgc agtgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
448851 cgcgcgcgcgc agtgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
448901 cgttgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
448951 ctgcgcgcgc catgcgcgcgc cgtgcgcgcgc tgcgcgcgcgc gcgcgcgcgc  
449001 cgcgcgcgcgc gcgcgcgcgc agtgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449051 gaaatgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449101 tgcgcgcgcgc tgcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449151 ggcgcgcgcgc agtgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449201 agcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449251 agcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449301 tgcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449351 cgcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449401 cgcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449451 gaaacgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449501 aaagctgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449551 ggcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449601 ttgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449651 caatacgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449701 ttactgcgcgc ctgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449751 ggcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449801 cgcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449851 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449901 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
449951 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500001 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500051 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500101 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500151 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500201 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500251 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500301 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500351 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500401 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500451 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500501 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500551 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500601 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500651 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500701 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500751 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500801 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500851 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500901 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
500951 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501001 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501051 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501101 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501151 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501201 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501251 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501301 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501351 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501401 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501451 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501501 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501551 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501601 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501651 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501701 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501751 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501801 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501851 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501901 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc  
501951 gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc gcgcgcgcgc

093964.082701

452001 totgctgcac atcgctgtttt acgggcaaggg cggatctggc aagtcgacca  
452051 cctcgccgaa cagcgtctgoc gccctttgtc acctcgggca gaagatcctc  
452101 atcgctgggt gggatcccaa ggcgcgactcc acccggtctc tctctaaagg  
452151 gaagggcgag gacacgggtcc ggaacaggag ggaacaggag ggaatcggtg  
452201 aagcactcgc agtcgcagac gtctctacaa tggctacaaa gggatctaaa  
452251 tgcgtcaggt ccggcgggccc cgaaacgggtg gtccgtctgc cggcgccggg  
452301 cgtcatdacc tcatdcaact tctgtggagg aaatggcgcc tatgcagtat  
452351 tgcactacgt ctctacagac gtgctggggcg acgtggtgtg cggcgcttgc  
452401 gcgatgcgca tccgcgagaa caaggcgacg gaactctaca tgcctatgtc  
452451 cggcgagagt atggcgctct atcgccgccaa caacatcgcc aagggatctc  
452501 tcaaatacgc ccattcgggg ggcgtcgggc tggcggggtt gatttgcaac  
452551 gaggcgccga cggacccgga gctcgatctc gcggagggcg tggcgccaa  
452601 gctcaattcc aggtctcatc acttctgtgc gcggcgcaac atcgccgac  
452651 acgcgagctc caggaaagat acgggtgatcc agtatgcccc ggaatcgcaa  
452701 caagcgccgc agtatcggc gctggcgacc aagatccatc ccaattccgg  
452751 ccaggcgacc gtcocgccc cgtacacat ggaagatgtg gaggacatgc  
452801 tgcctgattt cggcgctcat aagaccgcag agcagatgtt tggcgacct  
452851 caggcccaag aagcggggcg agcgcccgag tgaccggcgc cgcagagctt  
452901 gcccgggcag gtgatccgtt ggcgacctcc accaatgggt cctctctgt  
452951 gaggacacgc aaaaaaggg gacggcccaa tgagcctoga ttacagagat  
453001 gacagtgcgc tccatcagga gctgatacag caagtgtgtt cgcagtcccc  
453051 acacaaggcg gccaaaggtc gccaaaagca cctcagtgtc gcatcggaaa  
453101 gcgagggcgt cggggaggag ggcgagacc tctccgaatg cgaagtgaag  
453151 tggaaactca agtcgatccc cgggggtgat agtatccggc cgtgcgctca  
453201 tggcgggccc aaggggtggg tctgggggag ggcacaggag atgtctgc  
453251 tctcgccagc cggcgtggcg tctcgtcaat atctcgtgc tcccgccgg  
453301 aactattagt tccggccacc cggcgtgcac acctctgtga cgtatcgatt  
453351 caactccgac ttctcagga aggcacatgt cttttgtggc gacaaagag  
453401 tggaaacagt catcgacag atcgaggagg ttgttccctt caacaaagc  
453451 atcacatccc agtcgcaatg tccgatcggc ctgatctggc acgacatoga  
453501 agcgggtgtc cgcagaagg ccgcggaaca cgaacagcag atgtcgccg  
453551 tggcgtgcga aggtctccgc ggcgtctcgc agtcgtcgg ccatcactc  
453601 gccaaagcag ccatccgga cttgggtgtt gacaaggcgg cgcgaagac  
453651 ggcagctcag ttccgaacgc tctccctaga tgcacaagtc atcgccgatt  
453701 acacactcgt cgggacagcc tggcgctgct gcatctcgtt cgaagagatc  
453751 cgtcgccgca ctgtcgaaa ctgtt-gggc gacgcgaagc tgcgagagt  
453801 gggagggggc ccagggggca agctcaacct catccatgc taccggtcga  
453851 tgaactacat ctcgcggcac atggaggaaa gatccgcat cctctgggt  
453901 gaatacaact tcttggggcc ctcccgatc gaagcctctc tggcgaaagt  
453951 agccagcact ttggcccgga cgtatgaaga acggggcgag aggtctatgc  
454001 ccaagtacgc gcgcgtggtc gacgcgctga tgcacaagta cgtccgcggc  
454051 ctccagggca agcagtgat gctctatgtc ggtggtttgc gcccgccca  
454101 cgtcatcccc gctatgagg acctgggcat gcgagatgtc ggcacgggt  
454151 acgaattcgc ccacaacgac gaactaccgc gcaacgggca ctacgtgaag  
454201 acgggcagcg tgatctatga cgcgcggacc agttaagcac tggcacaggt  
454251 catcgagcgc atcgccggcg atctgttggc ctccggcatc aagagagat  
454301 atccggtgca gaagtggggc atcccgcttc gccagatgca cctctgggt  
454351 tattccggcc octatccggc ctatgaaggg ttccgcatct tgcoccgga  
454401 catggtctc gccatcaaca atccggtctg ggtatctctc gacggcgctt  
454451 ggaagaaaat gacgtgccc acggcgccag ttgcagcoga atgatgggc  
454501 ggtcttggcg ggcacaggga ccggcgcaag accggaaacc tctogaact  
454551 ccttgggctt aagaggccag atcaagaagg tcaaacacaa tgcgcgaatc  
454601 ggcgtgagaag atactgcacc atgcgcgctt gtttccgag ccggaaatcc  
454651 ggcagatgct ccgggagaag aagctgaact tgaatgtccc gccacccgga  
454701 cggctcgtca cggacacagc cgaatacagc aggggctggg aatatcgcca  
454751 gaanaactc cgcggcgag cgtctgtgtt caaacccggc aagaggtct  
454801 aacgttggg ggcggtgttc gcagcgccgc gcttcagagc gacagtgct  
454851 tctgtccatg gcatcgagg cttgctggcc tattatdgt cgaacttgtc  
454901 ggcgcacttc aaggagccgg cttggcgctt tctgtctctg atgacaggg  
454951 atcgggcggt gttcggcgcc ctgaagaaca tggtoaggg gctcgcact  
455001 acctacggcg tctacgatac gaagtgtatt gcgctctcca ccaactgtat  
455051 ggcgcaggct atcggcgac acctgcattg cttcatttag aacgccaa  
455101 gccagggcgc agtcccgccc gaattcgagc tgcggttgc tcaacgcgc  
455151 gccttctgtg gcaacatgt cgaagcgcat gacagcatgg tcaagggtat  
455201 cctggagcac tcttggagg gccagggcg cccccaagcg gcccgccgca  
455251 tcaaacatc cggggttgc gacggtttt gacggtttt caacgggat  
455301 cttcagcgcc tgtcaacct gacgggtgtg tctcaacct tctcaagga  
455351 tgcctccgac cagtctgata cgcctccga cggcgaaatc cgaatgtat  
455401 acgggggac gacgatcaag ggcgtcgggc cggcactcaa tgcggaggg  
455451 acgctgtcgc tgaagcacta caacagccgc aagacgctgc aatatggcg  
455501 ggaagtggtt caggccacgc ccgctctcca ttacccgctt gggatcaag  
455551 ccacgcagc gttcctgatg aaggtgtcgg cgaattccgg ccgggaaatc  
455601 ccgagagaca taagcctgga acggcgccgg cttgctgac ccaatggcca  
455651 cagccaatcc tgggtgcatg gcaagacata cgcgatctac gggatagcg  
455701 acctgctca cgcctatgac cgttctgca tggagccgg ggcgagcg  
455751 cggcattgoc tgcacacaa cggcacggcg gcttgccagg ccgagatgc

09339964-082701

```

455801 cgagctgctc gccctttctc ccttcggcaa gcaggcaaaG gtctggccgg
455851 gaaaggatct ctggggccctg cgtctgctgc tcttcaccga gcgggtgcac
455901 ctgctgctgc gcaattctca cggcaagtat cctcggcgccg ataccggcgca
455951 gcgcctgctc cggctgctgt tcccgatctt cgcacgccac caccaccacc
456001 gctttccgct catgggtac caggggcgcc tgcgcctgct gcacgcagct
456051 ctgcacagca tcttcgacc cctcggctca agacggggcg tccggcaaac
456101 gcgcgcctgc tctctgaga atctggagat tgcgcgctgt cttcgctgca
456151 tctcaaaatc caagtgtctc tgcgtgagcc tgcctgtgca agaatatcga
456201 gcaaggattc caacgcgcgc agtaaaagct gtctgaaacc gctgaccccc
456251 ggcgcggcgc cggcaggctg cgccttcgat gcgcgccaga tctgtctgca
456301 gcgatccacc gacgttgccg atctgggtca tgcacaccta gctctgcgaa
456351 gcaattcctg gycacaccca ggtacggcgt cgtcgggtcc gacgctttgg
456401 gcaaccagct tcaagaccca tctcacagca caagcatag tgatggggaa
456451 cagcgagcgg aagctcttca aagcgatccg ccagattaga gaagcgtatc
456501 agcgcccgcc aatctttgtc tatgcagcgt gtgtaaacgg acttatcgcc
456551 gcgcacatgc aagcgatctg ccaggcgctg gaggaaacgt gcgggctacc
456601 ggcgtgcgc atcaattgc cgggttcctg cgggttcgag aacttcggca
456651 caaagctggt tgcggcgcgc ttgttcgacc atgtctatgc cagctgcaga
456701 ccagatgatc cgggcctctg cgcacataat atccttggcg agttcaactc
456751 gtctggtgag ttctggttgg taagaacct cttggagagc cttggcaatc
456801 gtgttcgcgc ctgcattccc ggtgacgcgc gctatctoga cattgctccc
456851 gctcatcgcc cctcagcagc catgttggtg tgcctacggy cgttgatcaa
456901 ccttgcgcgc aaatggagg agcctgggga tatccgcttc ttcaggggat
456951 cctctacggy catcacgcgc accctgggaag cacttgaca gattgcgat
457001 ctgctgttaa agaagggtac cgtctagag atcctgacc gcacgctgac
457051 actcaatgcy gaggaggagg cgttgcctg gaaaaagctc gaggatacc
457101 ggcgcgacct taaggcgaag cgggtgtcca tcaaacccgg cgggtgtaaa
457151 tctcgtgag atctgcagag atgcgtagg agtactgttg agtactgttg
457201 caactcgttc aaaaataga cgttcgaga caagcagcgc atcgacagc
457251 tgcttaagga cgtctctcag atgttcagat cgtctgcgcc cgttgagctc
457301 taagccatgc tctcagaaca taagcccgac atcatgctgt taagccggcg
457351 caagcaatcc attgcctgga agcccaagat gccttggtgt gatctcaacc
457401 aagagcgtca cgcgccctat cggggctatg accgcaaggt ggaactcgtg
457451 gcgcagatgc accttgcat tcaacaacgc gtctgtgccc aggtgaggga
457501 gcgggcacgc tgggaagccc gtccctgcac acaggaaaca cctgcgcaac
457551 gcgcgcgcga caccgatgct cgtgctgagg ggcgcctaat tccgcggcac
457601 ggcgcgcgtg actctgttga cgggttcgga cgttcacgct gctcaatccc
457651 tctcgtcgc gttagcagc cgttcgggtc gcttcacgct gctcaatccc
457701 tgggtgcgcg cttagcagc cgttcgggtc gcttcacgct gctcaatccc
457751 caagcagccc aggttgccac gcttcgccc ctagtctgtc gctgcgcca
457801 tttaaggaaa agctccccc tgcagcagcc ggcacatggc gaattggcaa
457851 cagtcttggy cggggcagcc catctggaa aggcgatctt gacttgaaa
457901 aagcgggcga atccgggct gatcggaat tgcacagcgc caacttgga
457951 aaccgcttct gaagatttgc caagcgcaat gcacacatc aaatgacgc
458001 atcgaggaga acttgagcgc acagggttcg tgcctggcaa caccgggat
458051 tctgatggcg ccttgaggga gggctgggcg agggcctgtc ccgcatgat
458101 ccaacagatt acactgggga gtcacagcgc gctcgtgtc agaaacgttc
458151 cactgctga gagggtaca aaactgcgc agcgcctgt agaaacgttc
458201 aaggttcgca atgcacaccc acgttaggc atctcgaga atctcgaga
458251 gttgcgcgag atgttggaag gtttcggct gaggccggtg atctgcgga
458301 acgtctcagg ctccctdgac ggtacggctg cccagccgtg gatgcgaca
458351 gcttatggag gtacaagcat cggagatata caggagtgtg gtagggcgtg
458401 ggggtgcata gccatgggg acatatgcy gcgcggcgt gactgactgt
458451 agacgttgac ggggtgtgct taagtgttg tccagctgtc aacgggatgt
458501 aagaacgtgc accagtttgc ctgcgttct tccgagatt cctgcgtgac
458551 ggcgcggcgc aagatccacc gtcacgcgtc acagctgcaa gcgcgcttc
458601 tgcgcggaca ctctccattc gcgggcaga agatcggat gcgcacgctc
458651 cgggcagctg tgcctccatt tgcgcacctt ctacggggtg cgggcgctc
458701 ctgctctcgc gctgtcaga ctacgggtg atcgagatc atcgagatc
458751 tccgcgcgca aaagttccag atcgagatc atcgagatc atcgagatc
458801 gcgggcggcg ctgattttct gtttaccat tgcgcagctg gcgcagcgc
458851 ggcgcgcctc ggcacccctc tgttcggat cgggttccc atattcgac
458901 gccttcggcg ccagcacaac ctacagctc tctatctggy cgcgcggcgc
458951 ctgattctgc agggggccaa catcatccg gccacacagc cgcgcggcgc
459001 gcttgagcaa atcgatgcga tgcgaaagc gagaattgc ggttatctc
459051 cgttgtgc ctctgcgtgc tcaactgcga atccagcgc cggcgttcgc
459101 ggcattgcy catagcgat gcgcagcgc acatgaaagt cctaaacgct
459151 cacttcgggt cgggcagcga ctttcagctc tgcgcgctgt cgcgcgctc
459201 tgggggtgc gtcagagctg tgcagctgtc tgcagctgtc ggcgagctc
459251 gtcagctgtc gtcagagctg gtcagctgtc tgcagctgtc ggcgagctc
459301 tgcagctgtc gtcagagctg gtcagctgtc tgcagctgtc ggcgagctc
459351 tgcagctgtc gtcagagctg gtcagctgtc tgcagctgtc ggcgagctc
459401 agcaggggtc gtcctgcga aaattcatc gattagagt ggcagcgcgc
459451 aagcatctca agcgttaatt tcaagacccc agaaatgct caagcgcgc
459501 cctccgcgt gtttcgcga ggtgtgagc caagcagcgc tgcagagaa
459551 aaacacattc gaggcaggy gaaatcatc gaaaaaaa tcatcataa

```

0939964-082701

459601 cgggacagcc tgaatgaag gtggagcagg cggcccttgt caagccattt  
 459651 gtaaaatgcc tgcgagggct ggtccggcgg caggataact accatcgaa  
 459701 ggaacggaga tgcgaacggg agttcttgcc acattctatc atccatgaag  
 459751 agcagcgctg agaaatcccg atcatctggc atcccgctcc ggaactgatg  
 459801 ttgoggttca atattcttta taccgcgcgc gogotttcaa tcgaagaacg  
 459851 taccggtttg gtacgctgcg cgcatacagat gatcagccat gagggctctg  
 459901 gagcagtgct tctaacgacc gggcggtctg togtatttcc gaaaacagtg  
 459951 cgcgacatcc accgcttcgg cttcggagca cttcgaaagc ttggggagag  
 460001 cggcgcaaac ctggtggatg atcgagccgc cgcattgaa acctatccg  
 460051 aagtggctcg ggcctgagca tgcctcgggc aaaaagcatg ctgcggcgcc  
 460101 caaggcgacc gggcaaggat tagggctacg cccgtggggc gcttgagggc  
 460151 tgataaatag tggatttttc cgaaaacggg ggtatgagcc cgtgatccaa  
 460201 cttcggagcc ggcgcgcgcc gctcggccgg ggcagtttat ctgtacgctg  
 460251 tgaatgagca tctgtagaga accatgtgta cttaattcaa gttatctaa  
 460301 cagcgcgttc gacactcttg tctgttaagc gacactctt tctgactgt  
 460351 tccctttctc gctcccgccg taactgctg aatgctaac atacaagac  
 460401 tcttttcaag tcgagcacc cgaatggcag agtcttgccg acatgccatc  
 460451 taagaggctg gaaagccggg gatcgccagg gtaagatga ggaagaacac  
 460501 gtggcaggtc taggtcagat cgcattcggc tgcgagggag gcatacgacc  
 460551 gtgcacggcc gcccaagata cgtctcgtgt ttttttgtat ctggagccga  
 460601 aagtggtagt tctcggcgcg aacctgaaga gtaactccgg ccgcttcac  
 460651 ctggaaacca tgcgcgggga cagcgcgcca cgggtgtagc cgtatctccg  
 460701 cgatttcgat cgggacgtgc cgtggaggct caaagctttc caacaccccg  
 460751 cgcgcgtccg gctgaacagg tcttcgttcg cgtgtacgca ggcacacac  
 460801 gtgctcttca cggccgggga gctgcgtatc gaacgaacac catctccag  
 460851 tcttccaaata ggaagctcgc tggagaccca agcgataacc gccatccag  
 460901 caccacaagt gcgcggttga cgtctgatct aggcgatgac gaaccccgcc  
 460951 ctctcatctt cctcggagag ccgacgtcag gcagcgggac cactctcccc  
 461001 cagcgcaccc ggtcccgctg ccgcgatctt tccacaggcg gaggtctgaa  
 461051 atgcctagcc aagtcttttg aatggcgcgt gactacgaga ccgcccccga  
 461101 aagtctggcc gacaagacgg gaatttcggc gggatgtgag gatgggtca  
 461151 cgtccgatct cggaaagcat ttaacttttt tgcctgtggc ggtatgggag  
 461201 agcacagatc tgaattggga accacagctg acaagctcat togttacccg  
 461251 gctcagctcc aaatggatgc cgcgtatctc gagcccgccg gactcagccg  
 461301 cgtgcatbgt tgcgcgcgcg tgcctcaagg ctagccacac cgtgcatbgt  
 461351 catctgcacg gcatcgagca atccggtgag atccctgggg ctgagatggy  
 461401 cgaagcagac gacttcgctg gcgagctcag tgcgacagtc atggtttgctg  
 461451 atacgcggcg ccgctgcatc cgtcggggag cctgcgcgcc ggtatgcgcc  
 461501 aagaactgcc agacccatgt agcgcgcgac gaaattgttg ctgatctga  
 461551 cgaacggact ccggaanaag actttggcgc ttataaatgc gatcatctc  
 461601 gagaagacag tcccaanaag gcccttgcgc tgcgcgaagc tgaacaaaga  
 461651 cgtagacatc gcgcagcgtc ggcoccgctc cgcagctagc agccagctga  
 461701 gaaacacgaa ctgcgccgcc acctgaagac cagagctcgc cgaacttgga  
 461751 atgagacaga attgagcaaa tattgatctc cgtcgtgat tcaagggcaa  
 461801 tccctgcctt ggaatcaaga ggaattgcgc gcccgggcgc cactagagag  
 461851 gacctcgaaa tgcoccgctg gcactcgtca gaaacggaaat cgcgtcagac  
 461901 cctgagcgat cagcagttag gttacaaaag cactgctgct cgaagcgccg  
 461951 atgcgcagcg aaattggtga agaaacccag gagcatatag ccctcgtcct  
 462001 ccgagattgac agtagatcc cgcctgcaca gcgaacccaa cacttcgcc  
 462051 aattcctcgg cgaagcatct gctctgcgaa tgcctatact tgaagcagcc  
 462101 caaagtgttt aaactgatg gatctccccc tagettctcc tctgtccac  
 462151 cgaanaacgc agctctctct ctctcgttga gatctccgta gtgcgggcca  
 462201 agcatctttc gggcgcgagc gcataacta ggtctgcact cgtgcgggag  
 462251 gctatttga atgctctga gcggtctca gagagcagct ggtctcctgt  
 462301 ggaactcgc caataagccc agctcctggc ggtcgtggt agctaaagc  
 462351 cgttttgttg ggggcgaaa cgtcttgatc cttagatata taactccag  
 462401 gccctttccg tgtttctctc aaggtaatct tccgtgtcca aggatgggt  
 462451 aatgcgtggt ggggggcctt gacttgaat aaggtctata ggcgaatgga  
 462501 ctaaaataac atctcatgt ctgatgatc gtaacggggc ttctccccc  
 462551 agcgtctcgc tgtttgtaga tgcacatgac cagctcggga gtccagacta  
 462601 attgtgagac gctgatccgt tctgcatgga cccacggcat gagcgcgtg  
 462651 atgtcttttg cagatggggc ttggcgatgc cgaatgaaga attgtagac  
 462701 tgggttcaac acctatcat tgcgaatcg gaaccagcta ccatgtccct  
 462751 gatcatggcc ggcgcagaga gcgcctggcg cgcgttggtt tcttactcgg  
 462801 ctcttcgac gaagccttgc atgtcgcagg agagacttgg cgggacaga  
 462851 atatgcggcg cgcataagac ccaggaacgc agcaataac cgtctggag  
 462901 gctgaacag gaagtatgg acccctatag tgcgaatgac cgcgcggac  
 462951 catgtcggcg gggcccgagc gagctcgcct actcggcaga aggcagcct  
 463001 ctacggatcg ccgctcgtcg gttttggagc cggcggttcca cttttagcg  
 463051 ccaggctgtc gttgttgac atacgaacat gttacaatcg cgcatagtg  
 463101 agttcgatcc aggtatctga atttaaacgg gtttttcgtg gacgtatct  
 463151 atgtctgctg acgtgtcagc gtgcagggcg ggtctgggga gaattgtgaa  
 463201 tgcctcagac cgttctttag cggcggttgc gggcccgccg ccggtccaccc  
 463251 tctcagcaga cgttcgagaa gaagagagga gtgagagag ccaagcgat  
 463301 gtgcagctgg cactgaacgg tgcattttgc cagcaggttc gagcagcct  
 463351 gatggagtgt gttcgtgtat ctgtgcattt gttcatatga tggtcgact

09939964-082701

463401 gcaattttctg atgaactcag caatggcggc cgaacagagc cgccttcggc  
 463451 aagcgcaggtg tgcacatttc atgctgggca acggcatgga ggtgatgttc  
 463501 ataccgcgctg accggggggc gatcgtacgc cagatgatct ggtataggtc  
 463551 cggcaatgccc gacgagccac cgggcaaatc cggcattgct cactttctgg  
 463601 agcatctgat gttcaaggga acgaagaagc atccctccgg agagtttagc  
 463651 gcaaatgatcg cggagatcgg cggtagggag aacgccttca cgggttcoga  
 463701 ctacacccgccc taacctcaga cggtaacgcc agagtgcctc agacacatga  
 463751 tgggaattcga agctgacccg atggcccttc tcgttctcac cgaatgggtg  
 463801 atcgtacccg aacgcgatgt cattctgaa gagcgacgct ggccgctoga  
 463851 gacgagatcc gagcagctac ttgaggagga gatgcaggcg acctgtgctc  
 463901 agaacacccc ttaccgctac ccgacgatgg gctggatgca tgaatatgaa  
 463951 cagcttaacc gogaagccgc actaaagttc tatgaacctc actatggccc  
 464001 caacaaatgccc attctggctg tggcagggga cgtggacgcc ggacgggtgc  
 464051 ggacgatagc ggaagagact ttccggaccc tgccttcggc tcggatgtgc  
 464101 cggcgccgggg tgaaggccga agagccggag cagaacaact aacggatggt  
 464151 cggcgtaccc gaccgcgcgc taacgggtgc gagcttccaa aaatcctggg  
 464201 taacgacgtc ctacgggaaca gccgagcagg gogaagcggg acccctcgat  
 464251 atcctgtcgg agattctcgg cgggggaacg cgcagcggga tctatcagg  
 464301 gctgggtgctc aaacagggcaa tagcctcttc tggcggggcc tatttcaacg  
 464351 gaaggtgctc cgtactcgtc agcttcaagg tttttggctc cgcggcgccc  
 464401 gaggcgagga ttgaggaggt gaggagatgc atagacgctg aaatctcgaa  
 464451 gaactcaact cctcgataac ttccggatgc gctcagagc gcccaaacg  
 464501 gcttctgctg cctcgataac ttccggatgc acagccagtc gggaaatggc  
 464551 ggcattttatg gggcggcgct tgcgacagcg gatcctgcac acgacgtaga  
 464601 ggctggggccc cttaggtacc gcgcgctaaa ggccggcagg gtcacagcgg  
 464651 ctgcacggaa atacctcagt ccgcacccgt cgttagccgg gtatctgctg  
 464701 ccccgcgaaa gcgctacctc aggagataaa agcgcgatgat atcgttcaga  
 464751 cgaactgcga tcggggccaa gccctcactc gtctggtgat gcaatattgt  
 464801 gggccttgcc gcgtgtccag cgttgcgggg catggccata tctatcagg  
 464851 agacatcgag cgggataaag cgttggctgg tgcaggacta ttgcctacgc  
 464901 atcgttccaa cccgcttgcg atttgggggg ggcaggagcc aggatccatc  
 464951 tgggaaggaa ggcatattga atctgctcac agagctgttg gagcaagggg  
 465001 gcgcgaactc tottttaggg gggggccagc cgtactgga cgtactggtg  
 465051 ggcgagatgc tottttaggg gggggccagc cgtactgga cgtactggtg  
 465101 ggtgcttgcg gacggaagg atgaggtttt ccaacttctc cggcgtgcga  
 465151 tcgagcagcc gcgcttcgac caacgacggg tggacccgct tcgtgcccac  
 465201 atcgttccaa gcatcctggc aagagccaa gacccggaga cggcgcgaca  
 465251 gttcgcattg atgaggggga tctatggtga tcatcgtat tcgctcggg  
 465301 aggaggggac cgtgcaaaac cttgcgcgtg tcaacgacct cgtactgag  
 465351 cggcttcatg aggggatttt cgcgcggccc aaccttccaa ttgcgctggt  
 465401 gggagcagtc gacccgggga caactcaagc tgatctggat cgaattttg  
 465451 gggatattgc tgctggcccc tccctcaagc cgtctgctga ccagctggtc  
 465501 aagctggggc ggcgcattgg cgtcgcgtat gacatacctc aggcctcaact  
 465551 gagcctcgtc taaccgggaa tccccggaaa ggaacccgag cttcttgcag  
 465601 ccaactcact gaacaaactc ctccggggag gcgctgtcac atccagctc  
 465651 tggaaatgag tggcggagaa gccgggcttc gcttaaggca ttactcaac  
 465701 cttgggaac atcgacactg cttcgagcct cgtcactcgc accggaaccc  
 465751 gcccgatcg ggcgcagag agcctctccc tcatccaaag cggagtccag  
 465801 cgaatgtcag aggagggcgt cagtggagac gagctcactg cggcaaaaga  
 465851 aaagctcact gggcgttatg cgtatcgaaa tctgaactca tctagtggg  
 465901 tcgcccacac attggtccaa atccactcag aagatcgccg catcaggtac  
 465951 gtcgacgccc gcaaacactc gatccaggcc gtaaccctgg aggcagctac  
 466001 ggcagctgag aaaggcttgc tctccggga cccacagcta atgactgtgt  
 466051 gacgtccctc caaggagag aacagatgac cgttcaagg aagataggg  
 466101 tggcagctgc cggccgaact tctccaaagc cccggcgcgg caatacctgt  
 466151 ggaagggggt agtcaagatc acctctcggc gtcacagat gctcagttcc  
 466201 aggtctctat gcatcctcga agcagcaagg gagtgcactg cagcctccct  
 466251 ccgcccagc caggagagaa atgttggttc tcggcgaaa caggcgaatg  
 466301 ctctctagca cgaactgctc tggagtgctg gtcagctgt gcccaacaga  
 466351 ctgcttgacc ctgcagcagc ggttctcggc tcaactcaga aagcgcata  
 466401 gcaacacccc taagggttca cacttgaaac ataactcgaa tgtgcttagg  
 466451 gttggcggcg aagactccag atgtctcaat tggattttct accttcagtt  
 466501 gaggtgtggt aaaggaggtg agtgccggga gttggagctc atcttcagtt  
 466551 tccgaaaga cttaagtggc caagcttgg ggaagagatg gctgagtagc  
 466601 taactctgaa caaacagac gtaagccaaa cgtctggatg gctcattgct  
 466651 gtaaacgaat ccgcacaggc cgtgagtgcc agaacatgct ccaaacagat  
 466701 ctcggcgagc ctatcggggt gaagtttcaa caggttcaaa aatcagaaaa  
 466751 gggcgtgaac cggctcgggt cgggtggcgt tcagcagatt tcgaaggctc  
 466801 tgaagtgga gccttccact tctcttgagg atacgctta taaaatccgg  
 466851 tcgagggagc ggtcggcttc aaatcagatt aacatccac ccgaagtggt  
 466901 tgaattctgt gtaagcaagg aagggatoga gctcactcagg gcttttctc  
 466951 gctggggcga ctatcgtgtg cgcgcggaaa tctgtgatgt ggtcaagttg  
 467001 tggggccacc accagaggtg atgtatggat tggggcctct cgtatggag  
 467051 acagagtgct cctcaaggtt cgggaagaga cccacagctc ggtgaatgag  
 467101 tccagagctt gtcagatact cctgtacggc ctttaacctc ttaaacgtcc  
 467151 tgaatatcaa aggcgatact ccgcgatcaa tttctcgaat ccttgcgggc

0939964-082701

```

467201 tgaagggggc gcgggttcct cgggatactg cggcgaccat cgaactggag
467251 cttgaggatc tcatagaacg aacagcccat gogattatgc tgggcgcttt
467301 tctcgacatt tgcaggggca acgggtcgtc attggtctat cgtggggccc
467351 gatatttcga attgccgggt agcgttatag gcaaaatggc tctgggcttc
467401 accgagatga aaagctatig ttcattggct tgcgcgaagc cgtctataga
467451 tctcaacttg ttcactctgt gttcaagctg ggcgacttga ggcgagccgt
467501 agttgcgcac caagctatga cttgaagcga gcgattgctt ctacacccgt
467551 ttcaccggct agagcgggaa agaaagctcc agcgggcgcc gatttccatt
467601 tctgagacct cagaacggag atcgagatct ttctatttgt agcctgcgcg
467651 ggaatggggc agcgcgtacc tgaattctca gggtoagcta ggcagcggcc
467701 ggaatacgac tggacgtgat caatcgacgt cagaagctat gggatgttgc
467751 aagaagaatg cgtaggttgc ttactccctg gcgogggtgc gctgcagggt
467801 ttctgttgaa ogggtatctc ctcgggacct ggggtctctg cgttccggcg
467851 gtgatgggtc actttcaagt tgcacaaagc agctttgggg ttttgtctgt
467901 gcttttagtg tggggcgcat taatttctgt cccacttacc ggaagctggt
467951 ccgtagacct ggttgcagtg ogggtgcgcc gnatgtatgc gabcocgtc
480001 ctggtttcga ttgcgcctct agggcttggc cccacaaacg cgtgctgccc
480051 gatgcgccta ttctcttttg gcatgtgtca tggctgatg cagctagccg
480101 tgaatgattg ggcgagcgaa gtcggagaaac acatgggacg gccactgatg
480151 togttgtttc acgcacatgt gagtgtgggg gcggttctcg ggcgacgagc
480201 cggttacatt gctacagctc ttccagaccc agtgaagctc cattttctgt
480251 ttaogggcgt gacgatgggc ggggttgtcg gacccctctc ttctgatgat
480301 tggcaatcaa ccatccgaac gctgaaaggt ggtgcagtg gatttgttgt
480351 acotaaacgt ggcctttttc ttgtgggggt cattgtctc gactctggac
480401 tagggagggg taccgtcttc gactggagtg cgtctatatt gcatatgtta
480451 gtccggggcg aagatctcga gggctgggtg ggcgagctgc gactcttgc
480501 ggcctatgtg atgtatggcg ttaagcgagg ttctctgtgc acgactggg
480551 gatcagccac tgttgccagc ataaagcggt ttctggctgt ctttggcatt
480601 ttgttgatcg tctcgtgtga aaccttgcgc ttagtgtg ggggtcttgt
480651 gctgatgggg gtccgtctat oggocgtctc accattggct ttacgtgggg
480701 cagcggcgca tcttgtagtg ccgctggggc aagccatgcg cctgttgtca
480751 atcttgcat atggggcaat gactttggga ccctttgcaa ttggactctt
480801 ogcggaggca gccactatgc ttattatgtc ctttatgtc ggaactattg
480851 cagccttggt ggcagttagt gctccagctg tcaagcaata gaacaaatca
480901 cccctgtgct tatcgacact tgcagaatgt tccagttttg tccactggag
480951 cgaagatcac tccgcttttt gctgacccag ccgcggagta ttctctatc
481001 cgcgaacggg atcagaacgc ttggagctca cgtgacggc atttttagc
481051 gcatgggtga accggacttg aaatggctgt aggttaccgc ccttagggcag
481101 cggcgggtatc ggcctgacga agatcagtaa tcaaaagtgc ataaagctgt
481151 aattcatatc atcaatggct cggatgaaaa caaatgatt tactgatatg
481201 atcggggcga aatagaagaa cgtcatatca gttggagta gtaagatgc
481251 ggcactgtta gcccaactcg cgttgactgt cggacaagc gactatctc
481301 taggaattga atggagagaa ctatgtctga tgcacagctg caacggctac
481351 ttctgtctct taaggaaagt taccagacag taaattctct gcgctccagt
481401 cagccatctg agcggcggtta tgcacaaact gatcaaaag agaatccatt
481451 tgcgttgcca aaagcggtaa tgcagagcgc agttgctgct ctgcggcgc
481501 agtatattat tccagaggat gacaaaccca gtttgggg agccgcgct
481551 ggcctctatg atcttccgpg ggcactagtg atccgggta acggttctgc
481601 cgaactcttt tgcgtcatat ataaagcatt ccttggtcgg ggtgacagt
481651 tgcgattgct gtgcgccggc tttgcataca acccgaaagt ogcccgagt
481701 caagtgctc gattacttga aatcaaatgt ggcgagctg ccttggtgce
481751 gatcacgaa ttgtctctgg gtccctgaaa gcaggccaaag ttactctgce
481801 tpgtcaatcc gaacaccccg acaggaaact ttgtccgat ttgtgatatt
481851 gaagcctcgt tgcacatcat tgcacagttg gttgtaactg atagggctca
481901 cgtggacttc gctcccgaca gcgctctgct tctcgttaa cggctatcga
481951 acctctgct ctaagaacgc gctatggag cttatgggc ggcggcatt
470001 cgcgtgggt ttgcttggg tcatctgaga ttgtatgata ggttgccga
470051 tatccgaac atgttgcata tgaattgat cggccatgct gttggtgca
470101 gcatctggc ccaacggccc acctataatg agaaaccccg ccatatcag
470151 catgagagag agcgggtgag ggtggcgtgt tgcgcactgt ggtttctctg
470201 aacgcctctc catgcaacct ttttgctggc gggggtgctt gcaggacgag
470251 acggcgtttg gtcgacgcgc tgctgaaac ggaanaagat actcgtggc
470301 gttctctccg atgaaggtct ggaagattgc attcgcgtca gcatcgggac
470351 gaacccacaa atgattgctt ttcttgggc tgtcagggac attcggggg
470401 ctacgcaatc tgaatgatgg gacgtatag cagcttcagg ctggctctt
470451 tgcgcgtgg gaaaagacag tggccagcgg aaagagagcg acaacccgaa
470501 gactgtgct aactacggca ogcctggag gaagtgagt caacacagga
470551 tcatagctg gcgcctgcat gttctaaag gctgtctca caacacagga
470601 tgcgtgggac ggaacacatc gcgcgtaggt ccaactgaaa actgttgac
470651 aatagccgag acggcaagga tgtgcctgt ogcggggtta acgatttgcg
470701 ttccgcacac gttaggcaag ggcaggtcca cgtgaaat cagatttgcg
470751 ccaataaag ccccaaggt ctatttgcg tgaattgaa gtcgggggt
470801 accagggtta agtgagacgt taaatgagaa aaatcttcc atcaagcta
470851 gctttggcca tattgaccca tttagacgag gacggtaacg ccatggcag
470901 gcaatacgca gaccgcctca cgttagcgga agcatgtgat cgtctgggt
470951 tttaagctta ccccttagcg gaggaccatt ttctgcggca tgggagagag

```

0939964-082701

471001 ccaatgcgcga atctgttctc atcgagcgtc gcgcagcgca ccgcctcaact  
 471051 tctgttttggc ccggtttgtca tctgtcttag cctttctcat ccgctggcgtg  
 471101 cgttttgaggc gatctgcgat cttgacatt tgagcggcgg tagggcccgag  
 471151 ttgggcctagc ggcgcgggtc tcttcgcgata gactaggtt acttccgggat  
 471201 cgcctcgggac gcggttgctg gacgttatt cgaagcagc gaactctcga  
 471251 tggagggcatc gaggggcggc aatctttctc accgcgggga ccaatttgaa  
 471301 ctaaacaatg tcccttgat cctgagcgtc catcaacgcc cgcacccacc  
 471351 gacttggatc gccacccaac gacttgagtc tgcacgtgtg gcgcgtacaa  
 471401 accggcgaaa tctgcattgt tctgggacccg actcgttgt tccgcagatt  
 471451 accgttcgga cgtcttcga ggaaggactc agctctgagc cgaactcgaa  
 471501 cgcgtcaatt ctgcgctgc tctgcgtgat tctgcgtggg caactctcga  
 471551 aacatcgata ctgcgttgct gcgtctgact tccacgtgct gctgaataat  
 471601 ttcaaatctc tgtacgaact ccaatgcaatt ccaattccgc caaatctcgc  
 471651 cctgaccttc gatgcagcaa tggaaagtga atttgcgta tggggagcgg  
 471701 cggctgttgt ggcagcgaat ctgcttgatc agtttgagaa ggcggcgccgc  
 471751 aactatctcc ttgtctcagt cgcgtttgga gatttgact tggatgctc  
 471801 gctgtatacc gcaatgacca ttcacatgga actaatgat cgaatttggt  
 471851 gactgcatg gcgcctgac aagtccaggc tgtgtaaaag tgcagggttc  
 471901 cgtctgcttc aggcgcact ccaatttcgc ccaaaaatca acatgggggt  
 471951 gctcggcgtc agctacactc gcgcagagc tgttttatcg gctgcgtgtg  
 472001 ctctcggga ggcgaagat gcgcgaatc ggcgaagat tgcataatgc  
 472051 cgttaacgga atagaaagca cgcgcgagca tcaactagca ttgtctagt  
 472101 tgaattcgtg tcaaggggaa actccacagc tagactcgg tccagaaatt  
 472151 ggcagcagaa tagctgttc gttcatggcc gcatcgggac agctccaaac  
 472201 tcaaatcgct acggaacggc ggaaggaggaa aagaagtctc agaccccttg  
 472251 ctgcagccggc attcagcgtc agagctggtc tggcgcgca ttgctccaat  
 472301 tccgggaatgt tatcaatttc aaccgtagcg gcgcgtgag ttcaacttat  
 472351 agcaacggaa cgtttctctc gagaactcga aaaccaatta acgttatctg  
 472401 tgcacaattc ggggttaact tgcgcagca attaatgca ttgtagcgtg  
 472451 accaaagctc ttatgactat catggctgca aaggccggcg agtaattggt  
 472501 atccctcgtc tgggtgaatt tcaacggcgc acttcgagc caacatttt  
 472551 tggcagcggc ggttcgactc gttgagtgca gttgagtgca tattttccca  
 472601 aacggcggaat atgcgcggcg ttgggactga gactggcgcc aagcttcggc  
 472651 gtgaagccgc cctgacaccc tgcgcagggc atgtcgttg ctacccctaat  
 472701 accaacttgc ctgcggatct gatgcagcgg gaagctccgc gcgcgcgcatc  
 472751 ccaactcgtc gctatggga tctgtcaact aacagcgcgt cgcctcgcgc  
 472801 cgcgcacggc ctttgccacc agcccgattg aggtcgtggt cgtgacggca  
 472851 ctgcataaat tgtctgccc ggcgcacac caccgctacg ttgctcggat  
 472901 gcgcagcgaa cgcgttcgtc gttctgtagt gcgcgtagct tctctctctt  
 472951 gtcacatcgt ccgcagcggc taactgtctc tctgtctctc ttctggcaac  
 473001 cgcgcacggc cgcgcacggc tgcagcggcg gatagcgtc caccctggcg  
 473051 cgcgcacggc tctctctctc catagctctc catccaaata agcattttca  
 473101 catatctgct gacatttccc attagatag cgttgcggtt tgggttgat  
 473151 tcaatttgga caaggtatgc agtagacggc gacgtctctc caccacccgc  
 473201 tgcgccatgc agtggtatgc gctgtcggca aactgcctgc tgcgaagcc  
 473251 gcaactctcc gcgcctctgc tgaacccggc gacgccccgg ttgcgcggca  
 473301 ggggcgcgtg caacgctata gtcgctctaa agaggacac ctgtgaacaa  
 473351 tatcgttgca acctatctgc ggaactgttt tgcacagat gccaatgcgc  
 473401 cggcgatagc taatgtactg gcgagctttc ccgagcttga acggcgctg  
 473451 accacgggca aacgggtgac tctgcgcgtc gatttaggca tctgcactcc  
 473501 ggcgactctc gatccacggt gcacacagac gcgtggagcg gttagacag  
 473551 atgcactag gatcacact gcgcgacac gcgtcttgc agatagcgt  
 473601 tttaacatag atcgtgagcg taagccggtt atccagtttc ttctgtacgc  
 473651 gatccggcgc gacgctggcg ccgaattcac catgttgtc ttcaattgtc  
 473701 ccagttacga gcgaagaggc acgagccggc tctataagt ctaacttggt  
 473751 caaggattga gctctctctc ttcacagtga tctggcagt tgcagcagca  
 473801 tccgcggggc tccgttggtg gatcgtccgc gatccggcgc tgaaggtttc  
 473851 cctggggcac ccgcocgctc catttgagc ggtcccgata ggttaagggc  
 473901 ccgcctgccc gctatcctg aggtttctca ggggtctggt atgcgcgtgc  
 473951 tggtttgcaa agcatagcg tcaatgaggt cctcttgat caccgcggcc  
 474001 gcttatcaat gatgcagagc gtccgggaca gcagtgagc tctatccatc  
 474051 cgttgaggcc cgcataacc gcgcagcgc tgaaggttg cgcgcagca  
 474101 tttagctgc aacccagatc gggagtgatc cgcagcccg gctttccatg  
 474151 cctgcggagc ggcagtgcaa gcagcggctc ccgcgtggt actccaggtc  
 474201 cctgcgaaag cggatcgcca agtcgggggc tgggtctcg agcatatggt  
 474251 gatcaatcat gctcttgagc ccgtcccgga actcgtcagg cgtctgaat  
 474301 gacgcttgca ccaatgatg ataccggagc ggcagcgtc cgtaccggc  
 474351 taccggcgctc actagtgc aacgtctctg cggcatatt acgaggaagc  
 474401 cggaaacaca ggcgatgctc gttgtattc gtcgcggaaa ggcgatgccc  
 474451 tcttgctcgt cactgagtt cctcttcgcg catgtatgct tgcgcctgaa  
 474501 agccttttgc tctgcaggt ccttcgcctc catgatgact tgcgcctgct  
 474551 tctgtctctc aggcgaacac cctgttgga tctgagttg tctgagttg  
 474601 ctgcagcagc atcagtgatt cctcagctgc cctaagatg tgaagggcgc  
 474651 gacgcggcgc ctggtgagtg actcatctt gagcggggcg gcctcgtgtg  
 474701 tctggcgcaa tgcgcocgct atctgatag aaagcgagc aaagcggctg  
 474751 tactcggggt tctcattggt cctgtggccc cagtgcagca atccagtagc

00939964-082701

474801 agctgcgcgg ccaaacacct cgtctcgac accaacacg ccgcgcgcgc  
 474851 gctctgcgat ctgtttgcta tactgttaac agcctttgaa cgcgcgcgcg  
 474901 gagcgatcgc agaacacgca accgcgcgcg ccacctttgc tgcgcgcgaa  
 474951 agcgatgatg ggggtgcgtgac tgcgcgcgcg catgaaagcg aggggttggt  
 475001 taacacgcgc acattgcgcgc tgcgcgcgcg ggcgcgcgcg gcgcacatgc  
 475051 attgcacat cgcacacgcgc ttaacgcgcg ggcgcgcgcg gcgcacatgc  
 475101 cgcacatgac tgcgcgcgcg tgcgcgcgcg ggcgcgcgcg gcgcacatgc  
 475151 gcttgcgatg gtaagtaaga tgatcgcgcg ggcgcgcgcg gcgcacatgc  
 475201 agtgcgcgcg cttcaatgac atagcgcgcg gtaacgcgcg ggcgcgcgcg  
 475251 gacgcgcgcg gaacacgcgc tgcgcgcgcg tatgtcgcgc ggcgcgcgcg  
 475301 ccatgaacgc cttgatgtgc gacacgcgcg gcgcgttgct cgcgcgcgcg  
 475351 cgggttaaga tctgtgcgcg atattgcgcg ttataaaggt gagcctttga  
 475401 agcgcgtttc tgtatgcgcg atgcgcgcg tgcgttcgcg tgcgcgcgcg  
 475451 tgcgcgcgcg tctgtgcgcg gatgcgcgcg gcaatgcgcg tgcgcgcgcg  
 475501 aatcgcgcgc aacacgcgcg aacacgcgcg accagttgaa cgcgcgcgcg  
 475551 gacgcgcgcg ccttttcgcg caatgcgcg cgcgcgcgcg agcgcgcgcg  
 475601 taacgcgcgc atcacaacgc ctagatgtga cgcgcgcgcg tgcgcgcgcg  
 475651 accgcgcgcg accgcgcgcg gtgcgcgcg gcttcgcgcg tgcgcgcgcg  
 475701 agacttcgcg cgcgcgcgcg atgcgcgcg gtttcgcgcg tgcgcgcgcg  
 475751 tgatgttgta gcgcgcgcg ttcgcgcgcg ctagcgcgcg tgcaagcgcg  
 475801 gtcgcgcgcg gcttcgcgcg tgcgcgcgcg cgcgcgcgcg ctagcgcgcg  
 475851 gacgcgcgcg tctacgcgcg cgcgcgcgcg agcgcgcgcg tgcgcgcgcg  
 475901 gtcgcgcgcg cgcgcgcgcg atgcgcgcg gaacgcgcg ggcgcgcgcg  
 475951 aacgcgcgcg tgcgcgcgcg tgcgcgcgcg tgcgcgcgcg tgcgcgcgcg  
 476001 acgcgcgcg ctttcgcgcg gaacgcgcg ctagcgcgcg cgcgcgcgcg  
 476051 gacgcgcgcg aacacgcgcg ctagcgcgcg gtaacgcgcg gtaacgcgcg  
 476101 tgcgcgcgcg cgcgcgcgcg ggcgcgcgcg agcgcgcgcg gtaacgcgcg  
 476151 aacgcgcgcg cgcgcgcgcg ggcgcgcgcg agcgcgcgcg gtaacgcgcg  
 476201 tgcgcgcgcg ggcgcgcgcg aacgcgcgcg atgcgcgcg gtaacgcgcg  
 476251 accgcgcgcg ggcgcgcgcg ggcgcgcgcg tatcgcgcg acatgcgcg  
 476301 ggcgcgcgcg accgcgcgcg accgcgcgcg gtaacgcgcg gtaacgcgcg  
 476351 ggcgcgcgcg tttgcgcgcg ggcgcgcgcg caatgcgcg gtaacgcgcg  
 476401 cgcgcgcgcg tgcgcgcgcg ggcgcgcgcg cgcgcgcgcg gtaacgcgcg  
 476451 tgcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476501 cgcgcgcgcg aacgcgcgcg atgcgcgcg ggcgcgcgcg gtaacgcgcg  
 476551 tgcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476601 agcgcgcgcg tgcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476651 tgcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476701 tgatgcgcg cgcgcgcgcg agcgcgcgcg ggcgcgcgcg gtaacgcgcg  
 476751 cgcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476801 gacgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476851 gacgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476901 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 476951 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477001 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477051 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477101 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477151 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477201 cgcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477251 cgcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477301 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477351 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477401 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477451 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477501 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477551 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477601 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477651 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477701 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477751 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477801 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477851 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477901 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 477951 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478001 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478051 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478101 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478151 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478201 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478251 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478301 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478351 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478401 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478451 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478501 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg  
 478551 ggcgcgcgcg ggcgcgcgcg ggcgcgcgcg gtaacgcgcg gtaacgcgcg

09339964-082701



478601 ggttatatgca cagcgcgtccg cttgaacccgt catatgcata agccatcgtgt  
478651 cgggttccgaa tccgcgggaag gaggagagcgt cactgcacta agccctctctc  
478701 cgttaagacc tccactggat ggtttctcct ggttcgaaaa agcctttgca  
478751 aatcgttcga gcccaacta tgcacacga aaacagcgt tgcgaacac  
478801 accgaacctc aaacatcgtt gtcacattg tccgcaatg tccgaatcgt  
478851 gacattgtcg aattagccca caccaaagag cgcctctgtg ccgcgaacaa  
478901 gatgcaatgt gatgacttcg gcggcgccgc tcttcgaaag cttgatcgca  
478951 gaaggagatg gccagccata gcggcgatg cttggcactg cctcacctca  
479001 caatgcggcg ccccgcttcg aggcagcgcc attcgcagc gagatgtgc  
479051 agtgtttggt ccccaacgaa cgttgcaacc cgcgcacga gcgcactga  
479101 atgacgtcca gcgcggggg cttgcgaag agctgcgaag caggctatcc  
479151 ttgaattcca ctcggcgccg agatttgttc cagaagttgc gcatttcgga  
479201 tggagcgagc ctcggcgccg aactgtgtgc gcccggttc gccagaggtc  
479251 cgcgaacgca cactnccgc aacgcggcg gccagcagc aggcaggtc  
479301 ctcgacacac caccactcgg ggaagcccg tccgtatttc ggcagctctc  
479351 tcggcgggcg cagcgcgtcc caataggcga tttggcgccg cagctgtcaa  
479401 tagagccgaa tgaagttaatt atggcgcgagc aggcagcagc cagatgcctt  
479451 cgttgccgca accgcgcttt cgcgactcct tgcgaagatc acgcgtcaca  
479501 tcaaggcgctc gacgccaggg tcggagatgc cgcgataatt cctggagccc  
479551 tggcgctgtg cgcgtgcgca tcccagtag tccgcgtgtt cgtttccggg  
479601 gctcaaggac tgaccccaaa cttcccgagt cacatcgtag tgcgaaggcc  
479651 gcttgcgatt ggttatattgc gatgggtcca cgcgtgcgac gcgcgtctga  
479701 atacagatcc gtttaaggtt ctcggcgatg ggcgaaggca cgcgttcgaa  
479751 tgcggcgctg ctcacactga tcttcgaagg gacggcgctg ccgcttcgca  
479801 taltctcgtc cgcgttcgca acccgcttt gtcgaaggag ctcgaaggag  
479851 tcgatcgcct tgcgcaggtt ttcgcgcgcc ttttcggcg tcgcgcggac  
479901 cgggttgtca taagggttcg tgaacacttc gcggcgccag aggtctctga  
479951 cctcgtttgag gttcttcagt tctttgcctt cgcgcgaccc ggcggaggcg  
480001 agttctgtcg cgaagaagaa gctgttcag cgcgtactat gatgtgaa  
480051 gatggttcgg ttcagttctt cgaagtgcag cgcgatgttc aatgcgtcga  
480101 gccacctctc gtcgttcgaag ggttctggcg gcactgttcg cacatcgcc  
480151 tgcataccgg ccgttcgcgc gaagggttg ggaatttcct cgcgtttaac  
480201 gcggccatcc ttcaccgcgc gaacactgaa ggcgcgtagcc cagcagctgc  
480251 cccggttctc cgcgcacaaa tccgttgttc cgcgaaggaa ggcgcgtgca  
480301 tgcagcgcgc gatcgctgc aaagcgcttc gtcgactcga ggaactgtct  
480351 ctcgcgcgca tgcagcttga gcgcgcagcc ccagtaatg gtcggctggt  
480401 catacgaat ggtccgcgc gcggcgcaac aagcgtatcc gtagggactc  
480451 gaacccatca ccggttcgaag cgtcgttcgc gaactgtgc cgcgtatgct  
480501 gtcgggtcca gtcgcctccc accagtgctt cgcgcacatc cgcgtatgct  
480551 caggagatag aggaagtctg tgattgtttt tgcgttcgaa gtcgaagggt  
480601 acgtcccgat cccctgtctt ttcgccttc acgacatgcc gatagtgc  
480651 cctgatagag ggttctcagt ccttcgcctt gtcgaagctg aagacagct  
480701 ctcgcggctg caccgcgttc cgttcggccc atttgccttc ctcgcctcagc  
480751 cgggaacgtg ccagagagat gtcgtcggg aaggaacgc ctcggcgac  
480801 aagcccgtag ccgctcgaaa tctgtctc tgaaggttc agagcgtgt  
480851 cgaagacgaa atccagcgcc accgcgctt cgccttcac cagcagggga  
480901 ttgaacgtgt cgaaggtgac tgcgttgaa agcctgagat ctcgcctt  
480951 aggtgcctcg ggaattacat agtgcgaact tttgaagcc ggcggatatt  
481001 tgagatcacc gacgagcgac agtcctgagt gccagacgg ctcgtcttga  
481051 gctcgcgag ccgcgcacag tagtaaggac atggccatga accgctgc  
481101 aaacttcagt cttcaatga cgcgcagtgc cagcatctcg tctttctcc  
481151 ttgtttttat ccatcgccg ccaagcgtgt tgtgggggg ctcacagctg  
481201 ttgcaggatc ggcagtgcag tggcgcgat tccctagata tggcgaaatt  
481251 acactctcca aaattgatt tctcaaatc tgcctataga cttcattgat  
481301 atggagagct tctgctcgtg taggttcgc gctcgtcgt cgtcacctgt  
481351 tgcctcgtgc tctgcgggg gcgataagc ggcattcgag cagtgtcgca  
481401 aagcttctct tctgtctgca caagcgtcga cgggataacc agtatcagga  
481451 aacgggtcat caactgtctt tgcgccttt cgcgcacgc gcgcacccc  
481501 tccgcaatga gcgagggcgg atcgataagc actgcgcgca cccgactgca  
481551 tcaacttggt gacgcggcgg tggacggcaa gtacaaagt cgaagagctg  
481601 aggtatcaca ctcgccttgc cggcgatggg accaacctt gcgacagcgg  
481651 ttatgcctgc gatctcgtc gcgacctca ggaagatcac cgtgcgaatg  
481701 atcattccaa gctttccgat gtcggatag aaatatccaa acaggtatgc  
481751 cgcgatcgct gccgaacct ggcactagag atggcgatat aggttgatct  
481801 tggcgcggtt ctcgcggaaa tgcctcaatg tcatcagagg cctcttgat  
481851 tggggcgctg ccggtgcctc gccgaagcgc tcttcgaaa accgcagcgg  
481901 ggcactgtca ctcgcggcgg agtgcaatg accgtgcagc ttgcgttaa  
481951 accgcagcgc ctcgcggcgg agtgcttac tgtctctgac ccgcacagcc  
482001 cgcgcactcc ggtaacgcgc cagcgcgaca tactgatgt agtcgacgtg  
482051 attaggacga cgcctctgac attatcgaca agctcttcgc cgcgcagctg  
482101 atccacgaat ttgagtgcc gaacacatc ggtctggcac gacggagctg  
482151 caacctcacc gctctctgtc cataattctc acctttgtct caaggcaaac  
482201 cttggcggcg aagaatgtt atttgctctt acaaatgac cgcgcagaca  
482251 tcttaatcgg cctcagacca aagtcgcgac cgcgcagctc gatttcgat  
482301 aagacccggg gtcgaggata gcgagtagc agatttttg cgcgcagcga  
482351 agaacctgga caaatctgga acctgtctat tgcgaggggg cgcgagctgt

0933964-082701

482401 cattggggca acaatccat gcttcgactg ccgcaacgat gaagattcca  
482451 caatactatt caattgagtt ctbgcgacaa atgggggttg adgatggcca  
482501 agatgggtgc cagagcgccc gtaacgagag gaagcgaaa tgcocaggac  
482551 cgcgaagaag ccccttcgaa ctgtcgaaa ctgatgtgto ggtcacccca  
482601 cggcaatcaa tggggcgag caattgacgc atgtcatttg gttacaggag  
482651 ctggcgggat ccccttcgaa ccccttcgaa atgtgggat tgcacgttc  
482701 gctgaacct ttgctgcgag tcacgaacaa caacttgcgt aattgcacc  
482751 atcttagcga gttttctggg gcaaaatcgc cgtcccaagt ttgcgcctca  
482801 cagtggttct tctgcgcgaa cgttatagac atgggtgtgc agcaggtcaa  
482851 agaattccag gctgtcagca ccaagggttt gattgtatg tcgaagccaa  
482901 tcaaggaaatt ctttgaagag gctatagcag acctcaagac ggtcgtgat  
482951 tcagcgatcc cgcgcgtgac aggcgctgac ccgcacagcg tttgcgtcca  
483001 gtacgctgga gtacattctg atgatttccg cagatttctc ggtatgatg  
483051 catgtggttg tgttataggt ggggggaaat cctggacgct atctacgggt  
483101 tctctggccc tctgcgcgaa agggcgccac tcccatctgc gcatccaggg  
483151 atccactcgg ccccaaggt tctgttcggg tctctgtgc gcaacgcgag  
483201 cggagtcctt ggcacaaagt agtcacgttg atctctctc agtccctg  
483251 acgtctcgaa gcccaaccc cgcacacatc accgagtcac gaatggagc  
483301 cggctaggcc ggcggtcac aaaggcgagg atgttgact gggacgctt  
483351 ctggctctgc ctgacgctc ctaataggga cccacccgtc agcgccggcc  
483401 gaatgacagc tggcaccgag acctgcagcg cgcctgatct gcaaacgag  
483451 cgaactcaaa gttcgaacaa tctatctggc cgcgccagcg cggctgtact  
483501 gaactgtggg acactctgca agcggcttc agcacgctt ggttcgcga  
483551 gcccaacttc gacaaactca cgggttcgct cgtttgtgc atcgtgacc  
483601 actggcggtg ttgttactag acctatggcg cgttcgagcg tttgcacat  
483651 gttttgctgc cgtgacacac ctgtcaaaa agttaaaa gttctgtgc  
483701 actctctcta atctaagag cgtcaaaagt tgaagcttc cttgtgctg  
483751 ggtctacccct cctgcagctt gcacgggttt tgaagcttc cttgtgctg  
483801 cggcttgagc ctgcgctgt atctgtgtg cgggcaacgc cgtgtgttc  
483851 gaacaaagca ggaagcaaac atggcaggtc tgcgtcaaat cgcgttttc  
483901 ggcgaaggcg gtatgggcaa gtcgacccac tcgcagaaca cgcgttgct  
483951 cctgtgtcac ctggggcaga agatcccat cgtcggctgc gatcccaag  
484001 ccgactccac cggctctcgc ctcaacgaga aggcgcagga cgcgttcg  
484051 catctggcgg caaaggaggg atcgttgaa gaactcgag tcgaggaact  
484101 gctcaaaagt ggtcacaagg gcatcaaat cgtcgagtc gggggccgg  
484151 aacccgggtt cggctgcgccc ggcggggggc tcatcaactc gatcaactc  
484201 ctggggcgag ctgagtgctg tgaagctgc gactcagct cgtcagctc  
484251 cgtggcgagc gttgggtgcg ggcgttgctg gatcgagct cgcgagaa  
484301 agggcgagga aatctacatc gtcagtcgc cgcagatgat ggcgtctat  
484351 gccgcacaca acatgcgcaa ggggatcttc aaatcgccc cgttcgctc  
484401 cgtgcggctc ggcggggtga ttgtcaagca ggcgcagagc gaacgggagc  
484451 tcatctctgc cgaaggcgtg gcgcgaagc tcaattccag gctcatcc  
484501 ttctgtgcgc ggcgaacat cgtccagcac cgcgagctca ggaagatgac  
484551 ggtgatccag tatgcggcgg agtcgcaca gggggcgagg tatcgccgc  
484601 tggcgccaca gatccatgcc aattcggcc agggcaact cccgacccgc  
484651 atccatcag agggactgca ggcactgct ctcgatttgc ggtcatgaa  
484701 gaacgcagag cagatgtctg ccgaactca ggcgaagga ggcggggc  
484751 cggcccaagt acccgccgag cagacgtgc cggggagct gctccggg  
484801 gcatctccac caatggtgcc tctttctgga ggcagacgaa aaagggggg  
484851 agggcccaat agctcgtatt accgagatga cagtgcgtc catcaggagc  
484901 tcatcagcga agtgcgtgc cagtaccac acaaggcggc caagcgtgc  
484951 caaaagccac tcaagtctgc atcggcgcg gaggcggtgc gggaggagc  
485001 cgaagccctc tccgaatgc agtgaatgc gaacatcaag tcatccccc  
485051 ggtgatgac gatccggcgc tgcgctatc cgggttcgaa gggcgtgct  
485101 tggggccggc tcaagatat ggtccacatc tcgcagcgcc cgttcgtct  
485151 cgttcaatat tctgtgtgc agcgccgcaa ctattatgc ggcacccgc  
485201 gctgcagac ctctgtgag cgttcgagc atgcagctc tcaaggagc  
485251 gacatcgtct ttgtgggca caagagatgc gaacagctc tgcgcagat  
485301 cggaggagct tttccctcca acaaggcgt caccatccag tccgaatgc  
485351 cgtatggcct gattgggac gacatcgag cgtgtgcgc caagaagcc  
485401 gcggaacagc aaacgagcat cgtgcgggtg cgttcggaag gcttcggact  
485451 cgtctcgaag tctgtcggcc atcaatcgc caacgagcc atcccgact  
485501 ggtttctgga caaggcgagc ggcgaagcgc acgtgagtt cgaacccgt  
485551 cctcagatg tcaactgcac cgggatcac aacatcggt cgcagcgtc  
485601 ggcgtcgcgc atcgtgtgc aggagatgc gctgcggctc gtcggcaact  
485651 gctcggcgca cgcacagctc ggcgaagtc agcggggccc caggggcaag  
485701 ctcaactcga ctctgtgag cgttcgagc actcaactc cgcggcaact  
485751 gggaggagaa taccgcatcc cctgtatgga atacaactc ttggccact  
485801 cccagataga agctctctgc cgcgaagatg ccaggcattt cggccgagc  
485851 atcgaagagc gggcgcgagc ggtcagtcgc aagtacgggc cgtcgttga  
485901 cgcggtgac gacaagtact ggcgcgctc ccaaggcgag cagtgtgac  
485951 tctatgtgag tggtttgcc cgcgcgccc tcatcaccgc ctatgagac  
486001 ctggcagtc agatcgtgc caccggtac gaattgcgc acaacgaga  
486051 ctaccagcgc accggccact acgtgaagc gggcagcgt atctatgac  
486101 accggaacag ttacgaactg gacagctca tgcagggat cgcgccgact  
486151 cgtgtcggct ccggaatcaa ggaagatg cgtgtgcga agatgggact

0939964-082701

486201 cccgttttgcg cagatgcact cctgggatta ttccggccccc tatcacgggt  
 486251 atgacgggtt cgcctatcttc gccccggaga tgaactcgc catcacaaat  
 486301 cccgttgtgg atctctacga cgcgcctcgt agaaaaatga ccgtgcggac  
 486351 ggcgcgcagt gcagccgaat gatccggcgg tcttgccggg ccagcaggacc  
 486401 gcggcgaagc cgggaaccttc tcgaacatcc ctgggacctaa gaggccagat  
 486451 caagaaggtc aaacaccatg ccgcactcgg ctggaagat actgcacct  
 486501 gcgcgcgtgt ttccggagac ggaataccgg cagatgtcg cgggaagaa  
 486551 gctgaacttc gaatgtccgc accccgaacg gctgtccacg gaccagcggg  
 486601 aatacagcaa gggctgggaa tatccgcaga aaacctcgc ccgcgagcgc  
 486651 ctctgtcgtca accccggcaa ggcctgtcaa ccgtttgggg ccgtgtctgc  
 486701 agccgcggcg ttccagcgga cagatgtcgt cgtccatggc cgtacgggt  
 486751 gctgggacta ttatcgtcgt cactgttcgc gccacttcaa gtagcgggt  
 486801 tggcgtcttt cgtcctcgat tccgcagat gcgcgggtg ttggcggtct  
 486851 gagaacatg gtgcacggcg tcgccaatc ctacggcttc taagtccga  
 486901 agatgattgc cgtctccacc acctgtatgg ccgaggtcat ccggccagac  
 486951 ctgcattggt tcattgagaa cgcacaagc gaaggccgag tcccgccgca  
 487001 attcgacgtg ccgtttgcct acacgcgcgc cttcgtcggc agccatgtcg  
 487051 accgctatga cagcatggtc aaggccatcc tggagcact ctggaggcgc  
 487101 caggcgcgca ccccaaggcg cggcagcgtc aacatcatcc ccggtcttga  
 487151 cggctttttg gtggccaaca accgcagctc tcagcgctgc ctacccctgc  
 487201 tggggcggtc ctacaccttc ctacaggag cctccgacaa gtcgatagc  
 487251 gggcgccgga gcgagatgc catgtatgac gggggcagca cgtcacagg  
 487301 gctggcgggc cgtccctaac cgtgtcgtg cagctatgac cgtcgatgc  
 487351 acagccgcaa gacgtctgaa tattgcggg aggtcgttca ggcacccgc  
 487401 gccttccatt acccgtcggg gatcaacgac accgacgggt tccctgtgaa  
 487451 ggtgtcggcg atttcggccc gggaaatccc cgcagcagta ccgctggaac  
 487501 gcggccgggt ggttcagacc atggccgaca gccaatcctg cgtgaaatgc  
 487551 aagacatacg cgtatcaggc cgtaccggac ttctgtacg ccattggccg  
 487601 cttcgtcatg gagacggggc gggagcggcg gcaattgctc gccaccaag  
 487651 gccggcgggc ctggcagggc gagatgacc agctgtctgc cttctctccc  
 487701 ttccggcaagc aggcacaagt ctggccggga aaggatctct ggcacctgc  
 487751 ctctgtcttc tcacgcagc cggctgcact cgtgatcggc aattctctag  
 487801 ggccttcttc cagccggcgc accggcagcg ccgctgatcc cgtgatgct  
 487851 cagatctctc cagccaccca cccacacgc ttcccttcca ttggtacc  
 487901 gggcgcgctg cgcctgtgta cgcagcactc cgcacagctc ctatgcggc  
 487951 tcgctcggca aacgatcgag accggcgtga ccgattatc ctatgacct  
 488001 acccgtcaaa agcggcggtc ggcacaaacgc cggcccgggc accgcacct  
 488051 gggatcgcca gcgttgaaat gggctgatcg tttagctcat cgtctatcgg  
 488101 aactgcgctc ggaagtgcct tcggacagcg accttatcat tctaaagggg  
 488151 catagcgcca tatgaatttt gctggagag agacagacgg tctgtagtat  
 488201 tgcggcccaac tcacgggctc gctcgtatta aagaagggccc gttcctcagt  
 488251 accaggacta aatgatgaca gcgttatctg atccccgggt tactcaggt  
 488301 gttagcgagc atgcatcgtt ggcacacctt tctatgaat gcctcggcg  
 488351 gttgtgtcgc gctcatgatt cctacggatt atggaagat aatgtgacg  
 488401 ccgagtttgt ggcacacttc accgttacgg aggcagcggc ccgagctatc  
 488451 cccgtcatcg cgcaccccca gccagacgtg ctgttgaggc tcgacctttt  
 488501 ttaacgcgcgc gtcggcgctg ttatcgagga gcgctcgggg cttttgatct  
 488551 cgcgaacgct ggaatcagc gatgagggca tcggcccgagt gctcttcaaa  
 488601 accagggcgc ttgttgtgt cgtcgaagac ctacgtgacg ttcacgggtc  
 488651 ccggttcaat acacttgcca aatggcccaa gactggcagc aagtttgtca  
 488701 aggatcgcat caaagcctc gaaccttacc cggcagtcgc cggggcataa  
 488751 gttgcctgca aggaataaga catcgacaga tcttgaaaga ctcaagcaga  
 488801 ggtgtcaaaa actgcagtc cgcgtctgga ctgcgaagac gcaattgcct  
 488851 gacgtcgtgc atctgcttcc gacatcttgg accgaataag tggcgctgc  
 488901 cgaaaaaacg ttgcgctct ttgtcagat gtaacgtgoc aaagagacac  
 488951 tcgcgcgtgc ggaagattca cgttgaaaag ctgcttctg taacggagac  
 489001 tcagctgggt ccggaatata tattatgcct ccgctcggcg tgcgtgactc  
 489051 gggcgcgagg tatgcacct caccgggata atgacgcagg tgaatatctc  
 489101 ggtgtttttg gacgcgcagg acgatcatc cagcaaacag atcatgtgat  
 489151 catgtccggc gacagcggcg gcgcgtgtat ccgctcggga gccggagtcg  
 489201 gtgtttaccc aaactgccag aatcatgttt cggccgcaga cattgcgcga  
 489251 tgatccacca acaaacaccg gaacacggcg ttgtcttttg gtatcttca  
 489301 tgaatttcta tgggtgttcc tgtgcgcgca cacttattat gttactctg  
 489351 taacggcgac atcagtcgac gcaatcttgg cagatctgtg ttgtcgtg  
 489401 cttctgcgta taactattt cgcgaatcta ctcttctgc ttggcgggg  
 489451 tcactgcgac cgggaagctc gtcacacgac cgggcaatct catgtagagg  
 489501 aacagccggg ggaacctcgt atagcgggca ctcaaggcgc caaggatggg  
 489551 gatccgtgct tcgaggagca ggaactctga taggcacctt gtaaacggct  
 489601 tcatgaaatc tctctcgtgc ggtcaaaatc ccgctcagct ttgctttcgg  
 489651 tgtcgaagga caagtgcgcg cgtcggatct ctggccgaac tcaactgcac  
 489701 caggagaccg cgcctgcgca acccgtcaga ccttgaagcg cgggaacaga  
 489751 gagtgcgtga gctgcagcgc tctgggaag cgaacatgga attgcgttaa  
 489801 tgtgcacaag gaccttccaa tcaatggaag tgaatcatgt agtcgcggg  
 489851 aatcgttggc cgccttttgt caggttagcg ctcccgaggt gctgcggac  
 489901 ggcacactc gggagatct accgtctcac cgtctctac attcaattt  
 489951 actcgggtt cctccatcac atgcgcgcac ttttaacata attctgacga

490001 tagtgaaaag tgaatgctgga tctgcgaat gogaagcgca taggaatcat  
 490051 cggcgcgagc atcttcgggtt ggcctgcagt gatagcgctt cgcggtgctt  
 490101 tgcgcttga acgttcatac aggtctcgac ggcgttcccg ggtgttcccg  
 490151 cttggcccgag cggaggggggg ctegetcaac ctgattgaca cgtgtgtgtg  
 490201 caatgagctc gacctggagc ttttcattgg tgaagcggcg gccaccocaa  
 490251 agcttggtgt gctctatgaa aattggaggg gtggaggaaat cccggatcgc  
 490301 tactaccgca tgttoggcgg atcgggcata coggaaatcg aatgtcgctg  
 490351 cggcggtttc ttccctctgc tgtcggcgag aattgcgcga ggtgagaac  
 490401 ttccacgctg catccctggc tttagtttaa tccaaagaa ggcctcgcaa  
 490451 gtggaaatcg acgagttgct ggcaacccgt gagtctggac ttaccccttc  
 490501 gtttcacttc aatcaccccg gcttcggcgg ataccatagg ccgtccggcg  
 490551 tggcacgggg gatcactctc cgttagggctg tggtaacacg gatgagactc  
 490601 gacgcggcgg ggcattgtaa cgtttccag ctggagggcg aagactctga  
 490651 agtcgaactc gcgctgcacg ccgttcggat tgcagagtgt ggtctcggca  
 490701 aagttcttaa tacgcgctgg tgttcgttcg caaatgtgct gcctactgat  
 490751 cgtgcgatac tctttgagct tgagccggcg gcatctccc ccgttacccg  
 490801 tgccacccgc atgaagcccg gatggatgtg ggaagcccca ttgaatcgct  
 490851 cgatcagtcg cggttatgca ttcagacgca gatatgggga cgtcgogagt  
 490901 gcaatccgcg aggtttgagaa tcaactatgga ttccgtgtgg aggcgaacaa  
 490951 cgagctttcg ctggtacagc gttacttttc gacccgatgg gttaaactat  
 491001 tctgtgcttt gggaaccccg tcgggttttg ttgagccctt gvgagctgca  
 491051 cttgcgcgcc caaccttoga agcgttlaag aatttggagc gcatctcggc  
 491101 caacgggagc ggccatgtgc ccgcttcggcg catcgagagc tatcacagct  
 491151 caacggcgcg gtcgtgcgag ccgttttcgg acttcctcag ggtgcactga  
 491201 gattccagcg gaattgacac acggttttgg ccgagatctg ccgcagcgga  
 491251 gttgcgggaa ggtatgcaca acctgagggc ttgcttccaa aaacggacac  
 491301 cagcgtttat cgtatcccaa ccgttatgtg gaagcggatg gcagacgctc  
 491351 ttccacgaaa ttgattggat ttacgtggcg gtccctctag gagtatgtcc  
 491401 gcaggcgccg cgtatgcgcy aactacgca gctctctacg gaaatcgaaa  
 491451 gtgaggtcca ggcctatggt gatccggtga agggaaacat agccaagatc  
 491501 agcgcagcga ggggtacact gcaactaatg tcacacaaa gccactcgcg  
 491551 ggccgaagcc gtgtaccagg gtcttctctc atgtcatatg ccgagcgcgca  
 491601 ctttgtcgtg gagcaggggt tctcaaacgc ggtcaaatcc gcggtctgga  
 491651 gcttcctgta gttatccgtg ccgcatccag atgtccgctt gctccctggt  
 491701 ggttaggctga ggcactgga cagcttggcg gantggtgga agtgcacgtg  
 491751 gaagtccggc gaccgcgcgc ggcgttgttt ttggcgaagt ttccaccagg  
 491801 cgcacaaggca tggctcgtat cgcgtcgggt cccgcacagca aagcggtcga  
 491851 tagactaaat cccggcagca gactctcgat acgcctcttg agacgcctgt  
 491901 caagcaacaa ccaattctcg atggagggct tttagcgtacg tccgaactga  
 491951 gcgcgaatat gaccatctgc tccgtagttt tcgaaagaaa gctgcgcttt  
 492001 taactgcttg ttagtggggc aaactacgca aaccagcgtg tctgcagaca  
 492101 gtttcgcctt tggatgatcg ctgcagcgga acattccgg agagctacg  
 492151 aaatcgagct cagctgtgag gaagagtcca tcgggacct cagtggagcg  
 492201 cagcaactcg aagcgcgatc caggcgcttc toggcgccag ccgtctcga  
 492251 ctctttccaa aaaccccgcc atcatgagct cggaaagcct gatcctgaag  
 492301 cgtctcgcgc actgaactgg gttcaacata tcccaagaaa tgaaggagaa  
 492351 ctggatgtgc agcagagcat ccggcgactgc gggggcgagc gctatcgcac  
 492401 cgggagttgg gataagttcg cgaactcgca tctgtaacaa gtctcgcgc  
 492451 aaataggtgc gtagccggcg gatggcgccg ctcatggcgc gctgactgag  
 492501 gttgatactg cgaagcagct cggtaacgct tcggtttgtc atcagagcgt  
 492551 cggcgcccat gagcagatta acatcaagtc ccttaaaagc cattataaa  
 492601 tccaaacaaaa cggttttctgc atgtatgaga caggttagttt tcaagtatgt  
 492651 tccagagtga cggcggttgc ctgttcagcg ctgttcagaa gaactagagg  
 492701 gagtgagcgc cactccgtcc cgaatccgct aagagcgggg actatccaac  
 492751 cactctgac acacaaaatg agtggtgctg tgcgaacaaa cttcggtgtg  
 492801 cagagcgctt tccagcgtgc tgaatgaaat ggaagtcaac ccgggacccg  
 492851 gcaacttogg gactgagct cggtagaacg ctgttccccc ataacagagt  
 492901 gacccctggg tagcctgttc tccaactgca tattgtttt gggggggctc  
 492951 tcaatttogg acgtgtgttc caactcgtcg ggggcacacg tggctccggg  
 493001 cagtcgcgag ttttcgagcc gatctggcac ggggtgtgtg aactcttcgc  
 493051 ccatcgcttc aatgaacatc tctcgtgctg cagcgaagcg cttgagtctg  
 493101 accctcttta ggaagcgcca cctcctcaac ccgagtgagc cgtcggttta  
 493151 atgtctgacg agcaggtatc ggagagagac cgggtttgat cctccggcac  
 493201 cggccggcgt tgcactgtc ttgcggggc cgttcggcgt gctggagact  
 493251 tcttgagtcg atcaatggca tctctctgat aatcgacga agcgtatggc  
 493301 gatactagtg ccgcatcgac ccggttcgcg tatgcgaagt tcaatccg  
 493351 ccatgcgctt gagatattgt tctaaactct ttgcaggatc agtgcctgca  
 493401 gcggaacagc cctgacccac agatggagta aaacgacga cctctcaatt  
 493451 tgcagagggg cgaatagctc ctgattgaac cttcaggagc ttgacatcgt  
 493501 ggaactcgaa cggcagggca cacaccggcg aagccttttt gtatgcagcg  
 493551 ttgctccatg tttcttagtg ccgcgggaat cgcctcaact ccaacggctg  
 493601 ggaacacaa cttgtatcga tctgtagagc catlaaagcg agcgtgcgc  
 493651 cctccacacat tggtttcgga agagccacat taactctgg ccaactatg  
 493701 actgctgagc ttaactagcg ttgctgacag aagctgagc cggagggggt  
 493751 agggcgttgt tcaatgtacat ccaacaaact tctccagagc aatttaggat

493801 tgggttaatag tcaattcgccg tagtgtgttc tggatgtcca tcaagtattcg  
493851 tcttcgcgcatc attgatcgaa ccggagctcg ccgttcagacc tgaattgttcc  
493901 atgtaaacggc aaagcagtggt ggcagcatag ctgcagccccc gaagttaattg  
493951 tagcgaaatg catccatgat gcagatgcct tccatccgaa gaatcgatttt  
494001 gctcaatcag tttctcttaa ggcaaaaggct gatctaatga aggtgttaagg  
494051 gatcatcaat cgcagagaaa tctcaggtgt atttttggga tcatggggttc  
494101 gcgcacccgtt gttattctgc tctgtaacag accttcgccc ccgatctac  
494151 agtgttttgc gttacatgct ccttcgatta gccctcgacc ggagcgggta  
494201 cgaaaactgc gatcagtcgc gcgttaactg ttgcaccccg cctatagttcc  
494251 gcgggtgact gctcaattgg cgtctctgccc ttgataggag aatgaatgg  
494301 gaacgttgct gttgatcag gatcttacc gcgggtctcc agccgcgcgc  
494351 ggtgaacggcg gctttgcggt tgatgtagtt gcgggtatgc aacagggctc  
494401 gagcgacttt ttttcagcga gctatgaatt tctctgctgc gagtgtgac  
494451 tgcagatgcy cagatggactg gattggctga ggcagctaa ggcgcacggg  
494501 tattcagttc ctgcgcctcat tatgagcagg ctgcagcagc togaanaag  
494551 aatttcggta ttcaatagtg gcgggcagca tttcttcggt aaacccgctct  
494601 ctacggatga gctcatcgcc agaatcgggc cctctctgag ccgatcgaca  
494651 cagatcactt gccccatcat tgaatttggc aaactccact tgcattcgat  
494701 cggcgacagc gttcgggttg acggtcatcc gctaatgac gccctctgag  
494751 aaactatgat tctagagcat ctgctttaac gcggcggctg ctactgtccg  
494801 cgtgcggggtt tggagatcac actcttatcg ttcaacgagc aagtttcagc  
494851 aaacgctgtt gcttgatcag acggggggtt ctccagaggt ctacactgtt  
494901 acggtgcgac gttcgcgatc aggcacgttc gcgggtatgc ctacactgtt  
494951 gaattgactg acggtctatc agcatagttg aatttgaaag aaggaattgc  
495001 ttgaaagcca ctccaaactg tcatgttagc gcgcagtcag tctctgcacc  
495051 catcgtctgt tcaaggccaa ctgttccata ctggagcaat ctctctatag  
495101 cgtctgttct gttgtctct atgtctcgcc ctgcgcgaaa caacggggat  
495151 gaacgggtgc ctctgtccgc tcccaacagc atcaacgcca cgtctgaact  
495201 tttctcttgc ctgggcaaga cagttcattt gccgcgcca gcgcgcaca  
495251 tctttgtggc cgacccaaca attctgatt atcaggcacc ctccaatga  
495301 acgattcttg tctttggcaa gaatttgggt cggacccgac tattctgtct  
495351 ggagcagcag gcggcaggctc tgcctgagtt gcatgttgtc gtaacgcagc  
495401 acgtctcgac gttgatcag acgggcgcca atctcagcg gtaacgcgac  
495451 atccacgtca gctatagccc acgggcgcca atctcagcg gtaacgcgac  
495501 caatgcgcaa gtcgttgaca ttgcanaag agttactgag caatttctgc  
495551 gtgacgggtc gccgatctgc aaacatatca aggtgcggcg ctctttctgc  
495601 gttaatctca gttgtcgctg agcgaaagtc tccgcgcgag gttctgaagc  
495651 actcggcatc aacttgtccg cgttcggtca attcgcaat tcaaggtgcy  
495701 gttgtttaaa cagaggtgct ggccttggtt cggcaactcg tagcggggt  
495751 acagcagaaa tcggattcca caatgatgct tgcagcgtcg gcgggtttct  
495801 gcagcggctt gctaaaggagc acatagcttc cgtcttggcg gagcgcgaac  
495851 tcactgtgct gctgggtgaa actgcggcga tctctgcggc cgggttaatt  
495901 ccaattctgt tctgtcgaag aaactgtggt aatttcgagc aatttcgagc  
495951 ctctgcggctc agttctgaa tctgtaaac tgttctgcac aaacactaa  
496001 tcaacatcca cgtaaagcgg gaagctagtg aactatggt aaaggtgtgc  
496051 gttcaagtcg acgggattgc cgtgcgcgca gtttccacgc ggcgtgcgca  
496101 tacagtgtgc gagctgcgga gcgggcagag ctctgtgatt ggcggtctca  
496151 tcaggcgtaa cgtcaacaat gatatactg catttccctg gctttgcgca  
496201 ataccgattc ttggcgctct gtttctgtg tctctgttcc aaagggagga  
496251 gtccgaatta gttatttttg ttacgcttca catgtccagc ccaggctcca  
496301 accccacca aatgagcgca cccacggacc ggaaggtctc gcggtttggg  
496351 actcgcgcgc ggcgcgcgcg tgcatacag acgcagcgcg caagcgtcaa  
496401 gcggatctgc gcttcatca tgcatacag tgcgcaagt gctgcagga  
496451 tcatagctca cctgctctgt ttgcagcaa gcttagagcg ttcagcaag  
496501 actgcacgca tctatgtgca gcaacgcgca ccgatttttg tccagcagga  
496551 gttccacgctc ttgaagttgc agagctttca cgttccgaa ccgcagcgtc  
496601 tctttgcttt cctatggagc gccagtcgcy gcggcgggga tgccttccac  
496651 ctctgtatca gcgggtctgc ccggtccagc gcagagcgcy tccatccac  
496701 cagacagatg ggcctgcgcy cttccaaact ccaattgctt gacccaaagt  
496751 accgggggca cctgcggata gaggcgctg tctatcagc cttccttcca  
496801 actcgcggct cgttttcagc ccagttactt aatgaagaat tcttcgacca  
496851 gcgcgtcggc tgttcgaaga gccataactt ggcagtaagt atccacgctc  
496901 cgcgcgattt cgttcggaat agatttgttc agccgcagca tgggtatccg  
496951 ggcgcctc cagttaccca ctacagtg tgcagaggtt aaggtgtt  
497001 atgagcgtc aacgcgcgct tctcgtatga tgcgttcat cgttttggt  
497051 gttccctcaa ctccactaac ccgcctagc ggcgcgggcy tcccgattt  
497101 gtttacggcg gttgcagtca ctgagaatt gcggagatcg gatgggtaca  
497151 cttgcgggtg tgtcagtcgc cagcgaatt gttgacccc tatcgcgct  
497201 tgtgcacaa cagatogatt cgcgcgcagc acagccagtt agaggttcgg  
497251 taccgtcagc tgcgcgatac gaagctagc cgcagtgat ataggtctga  
497301 ctgcgtcaat atcttggagc cttgtaaagt ttggcgcgcy tcaagcgtgc  
497351 gtgcataaga tctctgcccc ttccagcgca tccagctgtc gcttcgatg  
497401 tgaacgctca tcttcagaga aagccgcgca cccagctgct agtcaaatg  
497451 tcaaaatgat cagttaccca cagtgagat gatgcgaat actccctgct cctggaaac  
497501 ggcgaagtcg cgcctgcgca tcatcaaaa cgtcttgttc gggactctgc  
497551 cgtttggcat tagcccgctg gccctcagca tgcctactgc gttctctgag

4977601	gcacatgcag	gagctagaa	ccagctgtgc	caagcaagaa	gagcagagag
4977602	caatacagaaa	tcagaaagat	cagcgcgcgc	ggcccccctg	gacgagagag
4977603	gccaaagcagc	cgatgcagctg	gcttcgcagag	gtccacagag	tgatgctgac
4977604	acctgcacgag	ctccagcgttg	ggcccgcctg	gcatccacag	gtgtgcacat
4978001	caaatctcga	tcgtattatg	gcaacctgcag	gcgcgcagca	ctgcggtgtg
4978002	gtgccttcga	ctggggagac	ttctccctctc	cagcggctgc	tgggcgcggga
4979001	gaagctgcgac	ccccaattct	caggctctgc	tgccaatcac	gcgaatgcgc
4979501	atctgcgcga	tcocaaatac	ctgcagtagg	atgctttggt	ctcaagtcgg
4980001	tcggctgcgc	cgctggctgt	gggttcagtg	gggtgcagag	cgggatgcag
4980501	ccgcctgcgc	tcgtctgagc	tcgtctgagc	ccactctggc	atgatctcttc
4981001	tcgcggtctc	gcgcctctcc	gggttcctgc	ctgcctgagc	tgatgctgag
4981501	ccgtgtagac	ccgcagatgc	ggctcgtctg	ctgcgttagc	ggggagctctc
4982001	tcctcagtag	gtgtatcacg	ctcatctgct	cattccaaag	gtatgctgat
4982501	aggatattag	gatatcccaac	actcgcagatc	ggtagctcgt	gtgtccaaac
4983001	atctgggaatc	gtctctcaac	tcgggcgaata	gtgatgcagc	ggatcttgga
4983501	gggtcattct	gaatccctgc	cagctgtagc	gcaaatgcac	tcgcgttgat
4984001	gggtgctgga	gaatccctgc	ctctgtctgc	ttcttagctg	ctggttgaa
4984501	tgatatccat	ccgctttctc	ctttgaaata	tgaggagccc	agacctcttc
4985001	atctctctgc	ggcctatccc	atcttcaatc	ctctgcaatt	ctgttagagc
4985501	atctctctgc	gaacgtctgc	tcctctgagc	aggcctctga	gagatccagc
4986001	atgtcctgcg	gaacgtctgc	tcctctgagc	gcgcgcagca	gacaattgtt
4986501	atgatagata	caacagctgtg	caactctgga	gcgcgcagca	gacaattgtt
4987001	caacacagata	ttctctctct	agcagctatc	ttggcgcgcg	ttatgcacca
4987501	tcgcgcagcgc	cacagagaaaa	cacagagcgc	agaggccctc	gacagcaggg
4988001	aaagctgcgc	tgagcccaaa	ccgttgacgc	ggcgcgactc	ctcgcaatga
4988501	ccgcgcagcc	gacgcgcctc	gtgtggcagt	ctgcgcagct	ccgcagacgc
4989001	atctcctgct	ttcctctgag	gtcgcgcctc	agacagagca	cagagcaaaa
4989501	gggtctcgtc	ttcctctgag	gcgcgcgcgc	gtaaaataga	ggcgcgtgaa
4990001	tcgcctcgtc	gggtctcgtc	agagcagcgc	cccggtggag	agcagacatc
4990501	ccgcagagat	ccgcagagat	ccgcagagat	ccgcagagat	ccgcagagat
4991001	tcgaaagctc	ggggcccaac	ggcgcgtctg	accacaagc	cagagcgcag
4991501	aaagccatag	ctcaatccgc	tgatccaatg	ctgcagagcc	tgacacttcg
4992001	acatatagag	ggcaaaaaggc	acctgcagac	ccatctctgt	cgcaagcgcg
4992501	aatccatcata	ggagcaagctg	tcgcgaagctg	gacacccccc	tggaagagc
4993001	cgaaagagct	gttgttgtct	tcgcgggttt	ctgtgacttc	gtctctccta
4993501	gtggaaagct	caggctctgc	cagcgcgcgc	ggcgcaaaaa	tcgcgcagtc
4994001	acccgcgcgc	tcaggtctgac	ggcgcaaaaa	ggcgaagcgt	gagagctgag
4994501	gcgcgcgcgc	agagcgcgcg	ccagggagcc	ccagctctgc	gcacatctgc
4995001	gcgcgcgcgc	tcaggtctgac	tcaggtctgac	tcaggtctgac	tcaggtctgac
4995501	tagcctggct	ccggagcgat	atagccgcgc	cagcgcctct	gcacaagagc
4996001	caacgcgcgc	atgcctcagc	cattcctggc	gaagcggcgc	agcatttgcc
4996501	tgatgcgcgc	gggtcccaag	ctccctggac	ctcatcagc	attgcgcgac
4997001	cggtgcgcgc	taagctccca	aaaggcactc	gtccagcgca	cgccgcagat
4997501	ggcgcaagcgc	tagcgcgcgc	taaccgcgcg	gccaagagag	ctgtccagag
4998001	gggtccatgc	cttgatctgc	atctgcgcgc	agggacccgt	catactcagt
4998501	ggccgcctgc	agtgatgagc	aaagcgcgac	agagcgcgcg	agcgcgcctc
4999001	atctggcagc	tcaggtctgac	tcaggtctgac	tcaggtctgac	tcaggtctgac
5000001	tcgcgcgcgc	tcgcgcgcgc	ggcgcgcgcgc	gttcgcgcgc	ggcgcgcgcgc
5000501	tcctgcgcgc	agaaagcctc	cgagacgcgc	ccgcgcgcgc	agcgtctcga
5001001	gcctcctctc	gtttctctcc	tgaggcgcgc	ccaaaaggct	taaccgcgcg
5001501	ccgaatattc	ctctggagaa	caaaaaggct	tcctgtgaag	atgcgcgcgc
5002001	aaagcagcat	tga ttgcgcgc	cgagcgcgcg	actgtgatat	ctcgtctcga
5002501	ggctgtgcgc	agagctgcgc	ctcagctgaa	cgctccgcgc	ctcaatcagc
5003001	gttcgttgaga	ggagcgtgca	aaactctgcg	ccgtcgcgcg	ataccgcgcg
5003501	tcctgtgcgc	gttcgcgcgc	ggatgcgcgc	aaagagagag	tcgcgtgttc
5004001	ttctgtgcgc	gttcgcgcgc	gttcgcgcgc	gttcgcgcgc	gttcgcgcgc
5004501	ctgcgcgcgc	gttcgcgcgc	tgagcgcgcg	gaagcgcgcg	gatcgcgcgc
5005001	tcgctctctg	gcgcgcgttt	tcgatgagt	tcgcgcgcgc	gttcgcgcgcg
5005501	ctgcgcgcgc	ccagcgcgcg	gaagcgcgcg	gcagcgttac	gggcgcgcgcg
5006001	cattcgcgcg	ggcgcgcgcg	tcgcgcgcgc	gatagacacg	gcgaagagag
500					

501401 cggcgcgccca gcatgtcgtt ggcgatggtt ttgtccacgt cgcgcagcag  
501451 atgctccacgt ccgtcagaag cggcggtggt cgcgcagcag caggcaaacct  
501501 cccgctccacg ggcgcgcgga tcatcgatcc gctgcgcgtg cccggtgcgc  
501551 cccgcaact cgtctgtcc cgggttcgtt aaggttccgg cggcgcgagc  
501601 gctgcgagtc gtgaagtcca gcatcgctgt cgcgcgcgag aggggcaacc  
501651 aggcctggcg gcccttcgct gccacacaga agcgcttcgg cgcgcgcgagc  
501701 cgtctcgcca acaggcagcg caccagcgct ttgatcggt tcgcgcgtgc  
501751 ctgcgtcaaa agcgcaagat cctcgtttcc gacgggattc gtcacggagc  
501801 gcgttttttc gtccatcagg cggcctccgg ccagtcggtt gggacatgtt  
501851 ctgggtgtac cgcagccaat ttgcgctggt agtcgcacgc ccagcgatag  
501901 atcttggcga tcgcgggtac cgtcgctct agcgccttcg ccatcggtac  
501951 gacgcgcgcc tgcgcgaag ccatctcttc gtgggaaggc cggcttcggc  
502001 gatcgatgac gagcccggg ccatgttcgc tgggaacgag tggggcgcgc  
502051 atgcgcgatc agcgcgatct ttgtcgtaga agcgtgtaca tggtttcggt  
502101 atccccaatc tgcctgcgat aggcctcgat cagtctctgc tgcagagcgc  
502151 tccactgagct gacatcaat cgcagacgtg cctcgtctgc cggcggtatc  
502201 gcttgggttt ccgcattcca agcttccagg agctcggcgc ctgctttgtg  
502251 gcagtcgctc caccagcaca gggcttcgtc gaacgctttt ttttccacc  
502301 gtgcgcgggg gccgatgagc gctgagagca cggccggggt ccatcagcgc  
502351 ttgcgcggcg tcagcgtgat ttgcgagtag tctttgagca ggttgacggg  
502401 cgcctcgtag atgtgatcca acatcgccat cagtgcggcg gcgctgcgag  
502451 cgtttccgg gcgatgcagg gcaacgaaga gctctgcct gggcgcgcgc  
502501 atccgcagcg gctggcctgc aatcagatca tagcgatat ggggcacgtc  
502551 cttcatgcc ccagatccca catgttcac cgcgcgaagc acctttcgcg  
502601 gacgcgcgc gaaagcgcca aagccgggaa tcgcgcgcgc atagacgtc  
502651 ttatcgctc tgcgtatcga cgcatacaga cggcttcggt cggcttcggt  
502701 cgtggcggtt ggcgttatga ggaacatgac agcgttgtcg cggcgcgcc  
502751 tcgggtcgtt tcgatgttag tcgggcttag cactcagggt gcgacgctt  
502801 cgcgtccacg cttgccagag acggtcccg ctcgcgcata cggcgcgcc  
502851 ggtggcggaac gtggtcagga ccgaacatc gatgccggg tctcgttga  
502901 aaaggacggc attcaaatgc ccggtgcggc cagcgcgca aatgctcac  
502951 ttcactgctc cgcgcgcttt ccgatagcc agccatccca ctgggcagcg  
503001 attgcgggtt cgcgcaggcg gcgcttcgac atccatctc catcgaaat  
503051 cgtgcacaga tattttcgc ccgcctcgcg aacgctcgt agcgcgggtc  
503101 cgtgcagtc cgtggcgcca atgaaccca gcgcctgtga gatgcgcgc  
503151 cgtgcagtc cgtggcgcca atgaaccca gcgcctgtga gatgcgcgc  
503201 cgtgcagtc cgtggcgcca atgaaccca gcgcctgtga gatgcgcgc  
503251 catagtcca cactttgccc accttcacg cggcgggggt cggccttctc  
503301 gactggytaa aggggtgcc cggcttcgcg aaaaagtcag agcggcggtc  
503351 ctccacggca atagtgcga cggccggatt gttacgctt agcagctggg  
503401 agattcgggt catcgagcgc cgggtccgca cgcacgcgac aaaggcgtc  
503451 atgcgctcgg gaagctgggc aaccagtttc tccacagagg cgttatagcc  
503501 ttccggtatt gcggggtgtt cggactgggt catgaacag gcgcgcggaa  
503551 gctgcgcgcc gactgacct gcgagcgct ggcgctcgc gactgcgacc  
503601 tgcctctcgc gaagtcgccc ttgcgcagat cggatctcag cccctagcgc  
503651 cgcgcagtc cggatctcgc ttgcgcagat atgttctgc accacggca  
503701 tgaagcgac cgcgaattcc agcgtcgcga gcgcagccc cgtgcagta  
503751 tttcccgac atgattcaac gatcgtgcgc cccgcaggga ggccgcctc  
503801 ctgaaggccc gcaatccca tgcctgcgag catcagatcc ttcctcagc  
503851 cgcggggatt gttctctcgc atcttcgaa ccaaggttgc gttgcgcgc  
503901 ggcacgtcga tgcacatga cggcgtctgc ccatcaatt gtttagctg  
503951 cgtgtcgcgc atctaaacct ctccaatgt gtcgggaagc agattgggc  
504001 gcccttcggc gttctcgtat acgcagaagc gagcgccat gggatggcga  
504051 tggactcgt tttgcaggag gtccatctgc tagcccgcg tcttgacct  
504101 tgcgcagcgc tgcgcagcgc ggcgcgggtt ggggaacgta agccacggt  
504151 tgcgtatgc gttcgcgtgc aggcagctat ggcgcgcgac ataggcgcc  
504201 accgcgcga atgacaaggt cgccttggtc gaaagcgga gatagggc  
504251 gatcaggaat tcggagggga accaagtttc cgaagcgctt aagctgcac  
504301 cttgcacaaa gatgcgtgc gaatccggac cgcagcgctt cccccgcgag  
504351 attgaaaga cagtgcgac cgcctgggt gcgcagcgc ggcggggtc  
504401 catgcgcgc gtagacacct cagcgccag gtagcgggt acgcttcgc  
504451 cctggttcat ctccgcctcc aagagcgggt gcagccagtc ggtctgcga  
504501 agagtgcgc catagggata gaagagctcc ggtatttcc cggtcgggt  
504551 gctcctgggc gctcgcgcgc cgcagatgcg ttgttacct gctcgttgc  
504601 catattgat aggcagcgcga cgcgcaaat cgtatcgcgc cggaaaaat  
504651 cccatccgccc tgcctcgcgc aatgaggtgc ggcgctcttc tgcgcgtgc  
504701 ccccggttc cgcggtgcgc atgagaggt cgcggtgcgc agccgtgcgc  
504751 aagcgcacct gcttcacgc gaaagcgag gtaggaagt aagcgcgag  
504801 tcggggcgca tgcgaagcg gctcttgcct tggctcctgc gctcgttgc  
504851 caaagggatg gactgttgc cagcatctgc cggcagacgc tggatgagt  
504901 cctccagttc ttccgcgcgc tccacagata tccagcgctt gcaattgat  
504951 agctcttgat gaaatgcgt cgtcttcgac ggtcccgct cccagagct  
505001 ggcacatgc gcccccagcc cgttcgctgc gcagagctgc tagagctgc  
505051 agacgtgcgc cccggcgctt gctgtagag ctcgctgcat ggcgcgggc  
505101 gatgttggc ccttcgcgc gcatagatc gcatgctgc ggcgcgctc  
505151 cgtcagtagc ccttccaggy cggcagatt cctccgcaac gcatcgggc

09939964-082701

505201 agaccagatt gagcggggag ccgtgggggg cggcccaatc gaaaagaaga  
505251 ggcacgtatt ggcacgtatt gtcctgagtc gcgcgctgca gaatgggggg  
505301 cagcccaatgg ccgatctctc gccaaacttc cgtcatcaca agcccccggg  
505351 ggaanaagacc ggcgcgcatc ccactcgagt gggactgctc aaaaactcaa  
505401 ggggcacatc gcatgtgggc aagccgtggg caaaaacgtg ccgggtgtct  
505451 ttgtaggaaa acttgcgccc gctggcgccc atcgcgaaga tttaacggcc  
505501 agtaagtctc ccaactgggc gccaaacttc tacccgcccc gaatcattgt  
505551 cggagagaac caccgggcatc ctgttgagcc gggaggcgat gcgaacggcc  
505601 aacccgtgat agtgcctaat cagcaacaag gcactcctct cggctgttat  
505651 tggcgcggtc catgagcctg cttgcaggat ttgggcccct agtgcatacg  
505701 cccgtgtcagg gttcaactct tctgttggga tcaatgtgce tggcgagaga  
505751 aggaacgtgt caatgggggtc cgggtccacg ctgcgtcttt ccgatcgcac  
505801 tatcttgatc taatgtggca cagctgtagt ccctcgaggg ccgcgagccc  
505851 cgtcgctcgc aactgtggca gctatgaact agccgggaag gcgcgagccc  
505901 tacccacatg gccaaactggg gctatgaact ttcaggctgt tcagatagcc  
505951 taggcgggat ggtcgccgccc aaggcgtgcc ttcaggctgt tcagatagcc  
506001 ttctgcatag tcttgcgcca ttgaagagcc cagattaatc ccggccgctg  
506051 cggcctcttc aatgccttc ctggcgagcc cgttggaact agccagctgt  
506101 accccgggtc ccgagacaag gcgcgactgt tgtgttcgga cccctatgcc  
506151 agctctcttc aggcctctgt tcatattgcc tccggttaac gctgtaggga  
506201 ggaattttgc ggtctggccc tgcgctgcaa gcgtcatgga tacgagatgt  
506251 ggcacccgtc cgtattccgg aatgaagctc agcaactcca ccgcgctgtg  
506301 agcccaatga agcaacttag atccataccg cagcacggag tcgaagcaat  
506351 ccgtgagggc cactgtgctc ttcttcgggg tcttgagagc aggtcggttc  
506401 gcgcggccca tctctatgtc ttgcgacggg tctgcgagc cctcaggttc  
506451 cgggcacatg aactttggct gctgaacggt cgggtttgccc gtagcaat  
506501 ttgtgtgaaa aogggccaaag tcttctttgc tgcagttgccc agccgagacc  
506551 gtatgtccgc caccgaagtc gaaaatacca tgatgagttc tatagccggt  
506601 aatcgcatgt tttagagagc agcaacagaag aggatctgaa aggagctggg  
506651 aggcagcttc acgtacttcc ggtatccaaag tcttctgtgc tgcatactc  
506701 gccagcttgt ccgctgtgag atcaacggtc ccgaanaata acctcgtgat  
506751 gctgttaatt gttctgagcg tgcctcagct ggtctgtgtc aggtcctatg  
506801 acggaggagg cactgtcagg aagctccttt tctggcaact atcataata  
506851 caccgagtc accgttccca tctctcgga tgaactgagc agtatgtgga  
506901 cgcgcgaatg acccttgcgt tgcgacgggt tcttggagc atattcgag  
506951 cgatctgctt gaagtggccc agactcgctc tccgtcatga ccgatgggtg  
507001 tacgggtaaa gctccgtag agcatcgctc tccgtcatga ccgatgggtg  
507051 ggcattctcg gcgctgtcgg atgggagtga gttctgggg tagctttggg  
507101 ctgggttttc ctgaatagg gccaaactgt ggtgatgttt ggaataatga  
507151 gacaagctct ttgcactgat cttgcctcca cagcgacact cccatgttgc  
507201 gcgatttgca taanaaagtt cgggactcgt tagcaatgcc tccatgtggc  
507251 ctttcagatc cggcgagga gaaggatcat tggcttttag ctcgagagac  
507301 tcccaactga gttggcacag atccttgta cgggttcaga ctgcgcaaat  
507351 ctgaactca agctgttgca gctatccacc gttccagta atcttcgagc  
507401 tttgatggg agctggggcg acataatggt catcgatcac caacggcgac  
507451 tggcgggtct gatccattga ttcgatcgcc gccctcatgt ggggggcatc  
507501 tagggccaaa ggtctcctct tccaactccc caaggtgac tggcgatcgg  
507551 gggcgggcag gctctccgga ctgggtaaag gaccatccct gctatagatc  
507601 tttagtgaca gcactgcctc gaaggacaat acgctttgtg gccctctggg  
507651 tacccggagc gcgaagagct tggcgagcga ccgctggggg aactgtgcag  
507701 gattagagct gatcatgtgt aaaaagttgc tggcgacat tgtgcctct  
507751 cagacgtgat gttgtccctc cacaaggacc tctatacgg cggctggcgt  
507801 cagcaagtgca caatctaaa gccctcagtg gagtatacgt gcttttgatt  
507851 gcttcgctc atgcagtgta caaagptcca tcccgccaca atgttcgggg  
507901 catcgtctgt acatcaatgt tccactatgt aggggtgat ctctcgga  
507951 actgacggag ctcaagcgaa taacatacaa gaggtagcgt aggttgatt  
508001 ctaactcaaa agtctgaatt tcaattcttg ctacgctcag cctctccggc  
508051 actgtgttct tctggcgagca tctcagaagt ataaagact tccggtctcc  
508101 cggcggggac gacgtgggtg gaggagcccc gaaacagtac catcacgag  
508151 tccctggggg gcgtatcgtt tggcgagggc tgcgctggcg ccaatcgag  
508201 tagaccgttc aacgtctgct cgatgagcgc catgaagccc ggcggggcgg  
508251 acactaaagc caggccattt cccggcgccc gttccacgg atagcgctca  
508301 ctagagatgt caagctatc gaggggagag ttgaaagcac taagtgaaac  
508351 tgaactcaac acagagctac gaggtttgtc tcttttttga gcagacacat  
508401 aggcacaaac cagctataaa tcaacttgga tcaactatgt gttcgatgag  
508451 cgttcgagga actcgccggg tgaactatgt gttcatagcc cggaaatccg  
508501 ccccttcacc tctgcgctga gtttaaacat gattttcaag ttgttgcca  
508551 actcctgcaa cggcgagag agactcgtat ctgaagacgt atacttatac  
508601 gaggctcagg ggaagtggcg gttggcccgg agagtttgtt ggaatccggc  
508651 aaatagaaaa agcccagcac agagcagctct ccttaaaaaa tgaagcgggt  
508701 tgaattggat cggcgttgtc ggcactcgt cttgataaac caaatctgaa  
508751 aatctcccat ggggttcaac tgcactaaca tcaactttca atggggcaac  
508801 gcagctggcg tagtcaagc gttctgtagc tgcctctctc atgactctac  
508851 gtcacagagt taagtatacg agtctctctc atgactctac atgactctac  
508901 aatctctctc agtctctctc ggttcggctc atgactctac atgactctac  
508951 ctacgtttga gctgtctctg gcaacggggc ctgattatag gaaaacagat

09339964-082701



509001 actgcttcaa cgcacgtgag gacggcgccct attttctcgc cgtatggacgt  
 509051 tcacccggcg ggcgcacaga gcccgctgga ggtatcgctg ctgcagacga  
 509101 tttcttcgat ttgcocggat agtatagttg ctgctgcgcg gcccaacact  
 509151 aaggcgccgc ttataagcgg cgtccgcgcc ggcccgctgc agaagctccc  
 509201 tgtgcagagt gggcggggca ccgaagggtt gggatcccg caaggggggg  
 509251 atgattttga cgtgatggtt gcgggtctgc gggatcttta taatggggtg  
 509301 acccaagttg cttctgtttc gaagggtatc agcggtcatc cctcatccgt  
 509351 aaacaaacta ttaagggaag ggtgagttgc gcgcatgttc ggtcagccgc  
 509401 atggcgacac aacgacgacg gacacgtgtg gccggcgacc gtttcgcttc  
 509451 gtgcgtctgc caactctcct ggtctctgag agttgcgaag tcatctctta  
 509501 taaccagctg caagacggcg agcgcaatga gctgctcggt ctctgatgca  
 509551 cagcggggtt tgaatgggtc cggtggcgca gtaaggatcg caacagacga  
 509601 atccaggtcg agcaaaagtt gctgccttcc tcaatcaagc tcttgatgc  
 509651 caagggcgctg ccgcgcacat ctttcaagaa ccttggtcgaa atattccag  
 509701 gtttcgggctt gattgcatca ccgacccgag agcgtgcacg ttaactctat  
 509751 gcccttagcg aagagttgtc gcatacgatc agcgatatcg atggcggtgt  
 509801 ctggcgcggt gttcatgtgg taactcgcca taacgaacct ctgcgagcag  
 509851 gcgcacaccc gtcatacgcc tcggtcttta tcgcgcacga ccgcaaaacg  
 509901 aatctccacg cttctgcgcc taagataaag atgctcgtcg ccgaagaact  
 509951 cgagggcttg gctcatgaca aggtagaaag ggttttggtg ccgggggaaa  
 510001 ggtccgcaga agagcaacgg tcttcttggt cgactgacct ggtctcaaga  
 510051 tcttgagctc tctcaacacc gctgttgctt gttcggtgtg gttgttcgcg  
 510101 tgcagtttgc cgtgtgacgt gttacctctt gttcatgttt ctggggatct  
 510151 ggccgcagga attaatggc gaactatcta gactccagga gggcccgctg  
 510201 gtttccgctc tcggggctat tcgttaaaag ataccggggc agggcgtag  
 510251 gtgaattacc caatccgat agcgatacag actacccaac ctgatgttct  
 510301 gttccaatcg cactccgttt ccaggagcga gottgtgcg tcgacccatc  
 510351 cgacgctctt tgcgcgccgt ctcgatccgg agttgtcgcg tgcgacagt  
 510401 gtgcagttgc aagagtgtgc gaggcttcag ccacgactcg cagattgct  
 510451 gcttggcaat gactggatt gccacccgaat cggatggggg ccgatctctc  
 510501 tgcgcggcca tgactctgtt ggcgtgcttc tcttgccggc aggtatttgc  
 510551 catgcgcgtt cgtctgtgaa agctgttctt atgcccgcgt ccgcccgcgt  
 510601 gtttgactat atttgactc atgcccgcgt atttgcatc agcatctggy  
 510651 cgtatgcctt cgcgcacaaa ttgattctgt atccggaaaa acttgctgtg  
 510701 caaatcgaa cagtggaca tggtgtcttt ggtgtctggc tcaacataag  
 510751 gccagcgctt gagcggaatc cgtgtctctt acgcttgccg ctgctgacg  
 510801 ccggggagaa ccggcgccct gagcacagtg gttcctcaag cgggttggtt  
 510851 tcgctgtgta tagccattt cagatgggag agcccgtaat atgacagcgc  
 510901 acatttcagc ggcacccgct gcgcgcgaca tgcgcccatc ggggcacatg  
 510951 ataccgcgca gtgagcttaa tatctggcac agcgtggag atgcgcttgc  
 511001 cgcagcaaaa cggcatcagc agcgggctcg taactggggc cgcgcgctgc  
 511051 actcagggga gggggcgctg ggttaagcgg aggggttgaa taacaggccc  
 511101 gaggaattga cagcgtatct tgcacagcga gtcaacgaa tagtcgaacg  
 511151 aaaggcagtt ctggaaaagg aattgcacca gtttgtcata gagactctga  
 511201 gogatctttt aggtgcttcc gatccgggtg agctgttggt agggcgtgct  
 511251 cgtcacggga ttgagcgag atacaaaggg cgggaagaa tttgcttcca  
 511301 tgtgtgtccc acgcgaagtg atatgctgcg ccgcgagtcg gccggttgcg  
 511351 acggacggga gaagggggcg aaggttgcaa ttgaaccgga tctacgtgtg  
 511401 tccgcgcag agtgtgtct gtggagcag tatggcaacg tgccttctg  
 511451 acttgatgc cagtgggcg cgtgcgcctc tgggttcgag taactttctg  
 511501 aagaaggaga actgtgacca ctccggtaac acagataatc agccttgag  
 511551 ggaactctct cgaagcagcg atctcgttct tgggtccac ggaagaga  
 511601 atccagcga cgtcgtgcg agcagggatc agcagggctt tgcctaacct  
 511651 gatccatgcc gttctgcagc aggtcggat ttgggaagct tctgtctgc  
 511701 aggataccgc aacggcagtg tgcctgaag cagaagtat cggcttgtt  
 511751 gacaattggc tgcgtctac gcgcgacgga ggtttggcg gtcctgcacg  
 511801 ccgcgggaa ctgcgtctca ctggcgaat cgttgaaagt ccgatcgcc  
 511851 ccgattgtct tggcgctgtg atcgacgccc gctgcgctcc actcgagcgc  
 511901 aaaggcgag ttaaaacac ccgaagttct cgtctgcacg gcagggggcc  
 511951 caatccaatg acgaggggca tggttgagcg gccattcccg cttgggggtc  
 512001 gcgcgtcga tggctctctc acatggcggt agggggcagcg gatccgatt  
 512051 tatggcgca cggcgggggg cagctgcagc ctactatca aaactcgtaaa  
 512101 aggtgcgcgc cgcgaagtcg taactgtcgc gctgatagg gacggtggcc  
 512151 gggagacag tgatttgctg gacgggctca ttggggagga aggcctccgc  
 512201 cgtgcgatg ttgtgtgcga accctcgat cgtctgcgaa ctgacgggcc  
 512251 gcaatgtgct ccaatggga ccgcctcggc ggaattactt ccgcaacag  
 512301 ggctggtgtg cgtctctctg ttggactcgc tgacgctgt ctgcggtgc  
 512351 atgcgcgga taggtcttgc tgggggagag ccgcgcacc gggcggtct  
 512401 cctcctctct gtttttgcg cctgcacag cctgttgag ccgcgggccc  
 512451 tgggtgagcg cgtttcaatc acagccttct atactgtgt tctcgaaggt  
 512501 gatggcacg gcgatccgat ccgcaggaa tcgcgggca tttctgacg  
 512551 acatagtct cctctacggc ctcttgccg gcgatcccat cctccagcta  
 512601 tgcagctgt cgcaggtgcg acccgagtta tggatgggt cgttctgag  
 512651 acgatacga cgtctctgct ctctctctg gattctctg cgtctatgc  
 512701 agagtgcag tttctgacca acgtcgggca atacaagcaa gggcgccac  
 512751 ccttaactga ccggcgctgc cgtctaatgg agagtgtttg

093994-082701

512801	cgccagccgac	aaagacggcg	tcagattttg	gaggagagag	toggatggat
512802	gtcgcgctttg	acctcgctgaa	ttatcgctac	gcttccaggg	tacgctgttt
512901	aaagagagagc	caagagcgcg	agcccgccgt	gaagctgctc	aaagagagag
512951	ctccagcaaca	catggcgcat	gtagccgcag	aaagatgcct	toggagtgct
513001	gaatcgatcc	agccaaacac	tgttcggaa	gaagctcaac	tatccaaaga
513051	gtcgacacgt	ctgcaaacct	tgtctaggg	gcacatcgcc	ctccacaccc
513101	ttcatatgat	cgggctgtgt	gtctgagatc	ctatccagag	ccagctgtgc
513151	gacgcgcgcg	gcacgtcgca	agcagagcc	gagcagcagg	cgtgttgac
513201	aaagcgccgt	tgggtggaac	gtctggaaag	atccgcaaaa	tggccaaatc
513251	tcaccagaca	ctctccggcg	gcgcgtgata	ttttctctga	agccgcaggt
513301	gagatcaggy	ccgagcgaca	gatattcgta	ccgttatggg	ggggttgtgt
513351	gcgcgcggc	ccgagcgatg	agcttcggta	ccgtcgaagt	ttctgtatgt
513401	cgccagctgt	gctatgatcc	gagccggctg	gagccgtgct	ggccgctgca
513451	atattcgtac	cagcgtcgac	acgtcccgcc	gagccgtgct	ggccgcaaac
513501	gcacatagct	gtctccagcg	ggcccttcca	ggcccaacgc	gtctttctgc
513551	cacttttcgt	gtcgtatggc	ggactttgtt	ggcccaacgc	gtctttctgc
513601	atcttcgagt	ttgactcggt	ttgggattgt	ggagtgagaa	cgctgtctgt
513651	ctgcgtctgt	ccggccgctg	tcaagctgtg	cgcttcgaac	gtgcagaggt
513701	ggcttgctttt	ttctccagcg	ccagatcgat	cgctatctat	cgaaactgg
513751	ctgcagcgcc	ttatcgtctg	actggaggat	aaagcagacc	ggactctgca
513801	ttctcttcgc	ttgggttaag	ccaataactt	gtgctcttat	gtgaaactgt
513851	agatgctgt	ccggcccgct	agtgccgaag	gtgcgtctgt	ctctctctgt
513901	ctctcttgat	ctcttggtgc	gttttgctgt	cgccgctgtg	ccgaactgtg
513951	tcctctctgt	ccggcgagcg	ccgctcgagt	ttcccccagg	cttcggctga
514001	tgatctggag	ctggcgctac	ttctgttggt	gaccccgagg	gtcttcggcg
514051	aaagcatctg	tcgtgtgatg	tcgtgttggt	gttcggcagg	gtgacacctg
514101	tggccaaact	gtctctctgt	tgggttcagt	ttggcccaag	gtgacacctg
514151	aggggcgaca	actagtctgt	gggggacagt	atccgcagca	atacagccc
514201	ttggagctgt	cgcatatgac	aaagatcgac	tgccaaataa	ggccgtcggg
514251	ttggagctgt	gtgacatgat	agatctggtt	ttgtcttggg	ttggcgccgt
514301	ggcccatctg	gttgccggaa	ttgagggatg	ccggcgatag	tcgaattttt
514351	gaactctggc	ggcccatcga	ttggagctgt	gacatcagtg	ccaatgtgtg
514401	gtgtatgat	cgctggccca	tcgtgcctga	ccggagatgt	ctggggcatc
514451	gactcctggg	aaagtggcca	tgccatgact	gaatctgacg	cggcactctc
514501	ggccctcttt	ggcatacccg	cgggcatcgg	cttgtctggt	ttacggctgt
514551	ttccaaactg	gactcttgta	aaagatcctg	ttgtttctat	ttctctcgtc
514601	ggccctctgt	aaagcccggt	cgcttgagac	accgcttggt	ccagacactg
514651	cgccacttat	aaagcccggt	agctccgctt	atcaatcgct	cgagctgtg
514701	atgctggagt	aaagcatcgt	agctccgctt	ttgctgtcag	attcaagaa
514751	gtctaaagcg	ccaaagccag	aaagccatct	ctctctccac	acggaaagaa
514801	gcttcaacaac	gaagagccag	ggcgactttt	ctctctccac	tttcgaactg
514851	tcctggcgta	ggaaatcgag	gctggagctg	gcacagatga	tttcgaactg
514901	ctgtgacctc	ctctttctgt	atcagaaact	aaagccgctg	tttcgaactg
514951	ctctctctct	tatctaacct	ttatctcgat	tgatctatc	gtccaaagcg
515001	tattgatgt	ctcggggatg	tcgttgatat	cccgcagac	tatagctgtc
515051	ccggttcacg	tattctctgt	ctgcgtctat	gagatctgtt	caagatgatc
515101	gcacggctgt	ttgtctcagt	atcagatgac	ggaggtctga	tcagatcagg
515151	atccagctga	gttagctata	tgagccactc	attggtgggt	ttcatgctg
515201	ctctccagcg	ccgagccgag	gaccccgatg	gaagctgggt	ctctccagcg
515251	atctccagcg	ccgagccgag	gaccccgatg	gaagctgggt	ctctccagcg
515301	gaagctccgt	ctcgttttgt	cggttgatgt	ccctgtttgcg	ctctgtctga
515351	gcgctctcgt	ctatcgactc	ggggacagca	ttttaccagc	gtttccagag
515401	atcagatcgt	tcctattagc	tcgcgtatgt	attttgcac	tcgcgagatt
515451	cgagtcttgc	gctatcgatc	tatcgaaact	gtttggcgag	gtctctctgt
515501	agccggccgc	ggcgtcggga	taagtctgat	ctctctcgtc	ttttacacg
515551	ctcaaaatgt	cggggtcgat	ccggcgctgc	ttggtatcgc	ctctcgacta
515601	ccctgtctgt	ccacagctgc	gcagggatgc	gagccggcgc	atccggaaac
515651	aaagtctgat	cagcataccc	ttcttgagat	aaaggaagtg	ttttctggcg
515701	ttgctatctt	ccattttctg	ggaaatccct	tatggggctt	ctccggcgcg
515751	ggaggttgtt	ccagaaacaa	gtctggatcc	taagggagct	ttctcagctg
515801	ctctccagca	tcagctatct	gtatccagta	tattagagta	ttctcggaaa
515851	taactggctg	tcagctatct	gtccagcggy	gagggctg	

516601 gcccaacttc gataaaatca atccttttca atggctgaag cgtgtggggt  
 516651 cggcgcggttc ggcgatogag gttggcgaaa cgtgtgtcaa ggtgtgtggt  
 516701 cttggcgggga ccttttccct cttctttctc ggtttatgga agacgatcgt  
 516751 ctatctcgcg gtcctgggaa tgggggtgtt cggcgtgtgc tttaccggag  
 516801 cgaaacagct gatcgggaatt ggcgcggcg cactctgat cggcggaact  
 516851 atogatctgc tgttgacgag tgcgctatt ctgcgcgaaa gtcgatgat  
 516901 gaagacggaa ataaagcgcg agttgaagga acagcaagga acgcagcaat  
 516951 tgaaggggtg atcgcgccac gttactctac agatgggtag cgtgtcgtat  
 517001 cttgtgtgag atcgcgccac gttactctac agatgggtag cgtgtcgtat  
 517051 cggctcgggt tacgttcgtg gtgaagccgg agtctcgtac ttagtgttgc  
 517101 ggcgcgaggg cgaagccgct tcagatatgt ttgcgagggc gcaagattctg  
 517151 cgtctcaaga ttgtogatga tcatgtctta ggcgcacacac tcatgagcac  
 517201 aacgaaactg ggcacgcgca tccccatgca atatttgag cccatcgcc  
 517251 gacgactctt ggcgcgaggt ttggcctgag catccttgaa ttgcgaaag  
 517301 aacttgagag acattgact cggcgctgta ttcctttggc ttaagtgcg  
 517351 gacgcactgg atggcccgag aagaacaagt gctgcgcgaa gcacatcgca  
 517401 cggcgggatc atctggcaat cggttttctg gaatggcggc aaactgtgct  
 517451 cggcgttggt gttcaggttt ggcgatgtcg ccggtggcga cactgtgttt  
 517501 caatggtaga ttctggctga aggtcgaggt aggtgcgcga cgtgttggtg  
 517551 tcggacgtga agagtgctgc cgtcatgacc cgtgcgcggg ctaagaacac  
 517601 cgtgtcgtgc agagtctccg cgtcatgacc cgtgcgcggg ctaagaacac  
 517651 aggtgtgtag atttogaatg acacacagtc tgtggcggaac attgctgttc  
 517701 gccacgagat cgtatggtca ttttttctac agatggcgtc aaatgtctgc  
 517751 aacctctggt ataacgtgca cggcttcagca aattggaaac cggcgggcgc  
 517801 aaacagttgg ctaagcccca aacttcacag acacgtcgtt tccagccaga  
 517851 tctgccaccc aagccgataa tgggtcaatg ttctcagact cggcgcttc  
 517901 ggcgaagcag caacagagcc agtgaacccg agtatcgcca atagcgcca  
 517951 gaagagcttt tgtcccgctc gaaggtccca ctagtcaagt gaactcagt  
 518001 tgttcggctg tatcatcttg acccgttttc cctacacagtc gctctcagtg  
 518051 tccacggctg agtcgcttag cggcgcaaat tgaagagctt gctctcagtg  
 518101 tccgattctc ctacacgca gagtgcgcga aagaatggg atgcgaacac  
 518151 ccaagagttc cggcgaacgt ttgcgcgaat gcaactgac agtctcaacg  
 518201 cgggttcttc gtgcggcgcc agatataccc tcatcagca accttcgttc  
 518251 gtgcgagatg atctcgagac ttccaggagg gagatcagga aatttcatg  
 518301 caaagaatc actgacatcg ccaacaatcc acaggaatat tcatgactgc  
 518351 tgtcgcgcaa agccagacgc actgcggcag ttgtctcaga atacggcatt  
 518401 cgtcgggatt ctgagaaagc tcatatttc agttaccagt tgggaaccca  
 518451 gttgtgttga ctgatgagaa cgggaaggtg gttcagcatg gaaggaagt  
 518501 tgaatccca aagttggaga gacccaattc ctgttccaca agagattacc  
 518551 tccacggctg atctcgaagt cgcaccactc cctcgttga atgcagggga  
 518601 tatctctgat gttccgagca ttcggagaga cggcgagga cggcgagga  
 518651 actgcgcgcg ggaacaacca gaggcgaaag cccgtcagc gatagtggg  
 518701 tttgtgaag ttgtagattg cgaactgttc cttagcccca aacagctacc  
 518751 cgaacaatgg acgcagacca gtgcgcgcta atggcggtg aaagcaaac  
 518801 cgcgcgtcta tctcgcgaaa tttagagatg ccgaaacgc acagtgtcca  
 518851 accagctgct cttacagac ttaaggaagt gacttcatg gacggattc  
 518901 tgcgcagatt ttgttcgagc ggcgggcgcc atctgcgaag accggccctc  
 518951 atgtcaagga cagggaagca aagagcgtta caaactgcca cggcgttaag  
 519001 agcgataccc atctgtggtt taggcgcgaaa ggggtgtgaa cgcagggttt  
 519051 ctttagaacc atctgagtag ttctctggg gttttgcacc cgtactcgt  
 519101 aaacacccc ttactctgat tttaactgca ggcggagag tttttgagc  
 519151 cggcgtcttt ttgcacatgg gtgtgtcga caccgcaat ggcatacga  
 519201 aagcagtttg tctcgcggcg ccgaagtctt gtgtaaagca agcctttgcg  
 519251 cattcgaggg ttatcgagc ctgagagagc ttacgctgc cgcgaatgc  
 519301 cgaatttctc gccctcgtgg tccaaactga caggttagcg ttttttgc  
 519351 cttgagcgga cgggtttttc gaacaggttg tctgttgcg tctgtgtgc  
 519401 gttgtatgct atgtcactca agtgcctcgg actgagcgcc gctcggcgt  
 519451 gcggaggttc cagggaatcc agatcgtgca gcaagttaa atgcgaatgc  
 519501 gcttcttttt ttgacaattg tcatgtttc gaagcgtgga gctcataagt  
 519551 agatgttata tcaaatgcgc cgtcaagcca ggaagtgcg atggttgagg  
 519601 tgaattggag tgaagtgcgc tcaatgggg ttctcctgac cgcgaagga  
 519651 tgaattgaga atctcgttag aacgcggcgt cagatttgc cggcgccctc  
 519701 tgaatcacac aggcggcgtc ggcggcgagg cgttacgagt ggcgcgaca  
 519751 tttctgggga tgcgtgcgag gctgcacatc aaagcggaag cttcgaatg  
 519801 gctcttcgat cgggttcgct acaactatg aaagatgcca tgggtgatg  
 519851 cgaagagagt atggcgaaa ctgaagagga tgcctgagc tgggtggcc  
 519901 cgttcaggag gtggtgtgag ttatgtgag caaacttga acagaaagg  
 519951 aatgacatg tctaaatatg gtaactctac gagtgcagt ggaagtggg  
 520001 cggcggtgtg ccagaaagta ggcgcgaag gtgtgtggg tgcggcttc  
 520051 caggcccaaa tgcgaact ggcagcgtg agcgagagg ctaagcgtg  
 520101 gagtatgata ctcgcacatg ttaagcagca gctccagaca accagagag  
 520151 cggcagatga acgcgcttag tgaatggagt ggggtctgag gcaactgag  
 520201 gccaaatgga cagagtggtg agcgagatg agcgctatgc cactcgcgt  
 520251 cggcgttctc tttgtctggt atatcctag tgaagcagc cacttcgtt  
 520301 caattcaag ttatctcagg gctctatgt gaactgact gtaagcagc  
 520351 tctagaagag agcttgatg gtacggcctc cgaagcggaac atagtgttc

520401 tcgagcaggc cctgcgcgcg catcattttc gctgcactct tctgggcaaa  
 520451 acacttgagg tcgagcgctc tgcgcgcggt ctcagcatag agggaaacgg  
 520501 gaattattgc gcagggcgagc ggggtgtgcg gcccttctct gtcgctcatc  
 520551 atcgaggcgc gatgtccatt cctcggtgag tgcaggtatg agcgtcgtct  
 520601 gcttcgatag cgtatccatg cctgtcgata tctgtgctcg ccttcgtggt  
 520651 gctcggttct ctcgggatcg gctgtgctct ggcacttttc tcttaactag  
 520701 acacgcgtgt tgtatcgaa cgcgatttat ctggtgagc cggggacacc  
 520751 aagctgcctg ataactcgac tgcgtgatag actgcaattc cagcgcgtaa  
 520801 agccctgcac cagggaagtc acagagcgcc tctgtccaac attaagataa  
 520851 gcgcgcgtga ggggtgttgt acagtcgaag gcaaggctac gctcgtctcg  
 520901 gccactcagt ggcataaagt gcagcagtcg ttcgatcacc ggcagggggg  
 520951 cgtctatagc ctgttgtaag gactgattat cgaagatgag aaggcgccat  
 521001 cgcgaatcgc agtcgaagct gctcggcggt ggtgcgtctc gtatctttgc  
 521051 atccagggag agaaatattt cgtcggcggt ctttttgatg atggtttggt  
 521101 ttgcgtcggt atcgagggag agtattccag cgcagggcgt agcgtcttgy  
 521201 acagacttga tgacccgtca acttcgcact tgcctttgaa tcttatcgcc  
 521251 agccatccgc cgcaggggtc ggcctcacgc acgacgcgcc tgcggtctta  
 521301 gagctacgtt gcaactgtgt agcagcagag tggtttcgaa acgatctgtg  
 521351 agggacctca tggccaacgc cctgcgtgaa ttcaccagat atgcgcgcgc  
 521401 caatccggac ttgatggctg cgttgatgct gctttctggc gtcgacatga  
 521451 tggctatgac aataccggct atggcgctcg atgcgtgat aggttccaa  
 521501 atgggtttgy ctgtactgct gctgatggcg gccctgtgat tcgacacgcg  
 521551 acttgatttt tctcttttgc cggcgctcat tttgctttc aaggaattcc  
 521601 gctcggcgct caccgtcgcg acgacggcac taattcttgc cggagggggg  
 521651 ggcgtcgagc atcgagggag ctctggcgag tctgtgatg ccttcacgag  
 521701 tgcgtgggtt tctgttata tcttgatgat gaacactgtg cagctcatgy  
 521751 ttctcgcgaa aggcgcgcaa cgcgtggcag aagtggggcg gcgcttccac  
 521801 ctgatgctt tgcacggcaa cgaactggcg atcgacgag agtttcggaa  
 521851 cgttcacatc gatgcgcgag aatccgcgag gggcgcgccc gcaattagaa  
 521901 aagaaagcaa actttatggt gcgataggag gcgcgatgaa gctttctgag  
 521951 ggtgattcca tcgcggggct agtggttata tgcatacaaa tgcctgggtg  
 522001 aatttccatc ggcctgctct cgaagggcct gtcgttcgac cagggtgtgc  
 522051 atccatcacg atgcgtgagc ataggtgatg cgttaacttc gtcgaactcc  
 522101 gccctgtctc tctcaattac agtcgcaaac atggttactc gtcgaactgy  
 522151 ggcctcgaga ctcacaactc gtcggggcac tctgtgatg ctcacgagat  
 522201 ctacacgagc atgcggcgag tctcgtggct ctcgtgtgag cagtggttcc  
 522251 gttcctgggt tccctctgac tgccttttgc atgttgccg cactgtttgc  
 522301 ggcggcgagc tctgtcaag gtcagctctt agatgcgcag aaagtctgag  
 522351 ctacaactgt aactccggcg gactgtcaaa cgcacaacgt ggcgtgcgag  
 522401 ccaaatccca ttggcgtctt cctgcgcgcg agccttccaa atgcgatga  
 522451 ccaggtcgaa ttggcgagc acatgcgcgc taatttccaa ctagtctcgy  
 522501 ccgatctcgy cattactgct cctcgcgatcc cagtctgatg cgcacagcag  
 522551 ctgcgcgagt cgcnaatcag gatagatgct gaagcgctgc cagtgcaca  
 522601 ggaattgatt aatccggcgc agctgcctct cgcagacgat ctgagagaga  
 522651 ttgagttcaag aggtatccct ttcggctgt atctgtgaac ccacagatt  
 522701 ggggtgaac aaagccaga gcgcggctc aaagcgcgcg gtaaccgaa  
 522751 tctatgtccc agcgaactcc ttgcgtgagc tgtccatgcy agtttgactt  
 522801 gccatgcgcc ggcgtttggt ggtatacaag agacccgcga actactgggc  
 522851 cggatggagc aggaatactc tgcattcgtg aaggaggtgc tgcgtaccac  
 522901 gcgatccccc cggattgcag atgtgctgcy cgcctcttgy gcggaagga  
 522951 taacaaatcc aaataccggy ctgctcttgy aggcatttgy cgaatggaga  
 523001 gaacgtgagc aaacagtcgc cctgttcacg gaacacgttc gttctggat  
 523051 gaagcggcag atctgtcaac gctatggdag acacgggtgc ctacctgct  
 523101 tctgtatgga acgtgagact gaggtatggy tgcgctgcgc gtttcgggaa  
 523151 acggtctgag gccctcactc cgcactagag gatcgggtaa ggcagggct  
 523201 gctgcgcgag atcggcgagc cagggcacgc tcttttgagc agcagggagc  
 523251 gccgatcgtt cttaacttca atggatgccc gacgcttct cgcggtttt  
 523301 cttaaccgaa acggtatcga gcttgccgta ctgtcttata aggaactctc  
 523351 ctccgatttt aaattccaa cgcctggatc cactcaggtc ccgcacagta  
 523401 atggaaacgt agggaaacct cgcgtatccc gccctttctg cactactgga  
 523451 tgatagggtg gaacaaaaca tgaattcaaa tgagataga gtcgcgcgga  
 523501 cgttgctttc attcgtttg agtttagttc tcttgcagat actctcgtt  
 523551 ctgcctctcg ggcgttgtgc taggtgggat aacccgcttc tttcagtgaa  
 523601 ggagacgtca gcgcgcaaat gctcgggcgc caacccaatc aatpgggcta  
 523651 aggcgcaagc gattttggcg gctcgtggty aggcgcgcaa agcagggct  
 523701 ttgggggagc atctgagaga ccatccagcg caatgcgagc agcagggct  
 523751 tcttaaaaaa cgtctggtg cgcgaagagc tcgcgtatg gctctcagc  
 523801 ttttagaaaa cgtcttggtc gtcaccccag acattttgc ttgatgaa  
 523851 cgcgaaggcg tcatcttgya cattgagggg cgcgctgagc cgcgcacaga  
 523901 gctgtacggc caagctctgc aaacaaaacc aggaatcag atgtgcacc  
 523951 ataaccctca tctgtctctt gcttttgag ggaagtcgaa acagaggaat  
 524001 ttgcacaaat cgcgataacg ttgctgtgat gaattcaact ttgagaagca  
 524051 gacgcagcac ctgctgctg cctggggagc aggcagggccc taatgcatt  
 524101 gagcgttgaa cagcacatta aagggaagga actgaggggc taatcctat  
 524151 tctgcacgag ggcctgtggt tgaattggcg ctgtgctcgt ggcgctgcag

09939961-1996201

524201 accagagggc cggcggggc ggggggtaca gggttttgtc ggtcgggtta  
524251 tggactgtgc cggcgcggc ctactctagg ctgogtttac cgtggaactc  
524301 actgacgttg tctcgagcat catcatcggt tggctgggct cggagataaa  
524351 tccacggcga gctcagcggt gcaacacgca gggcagggcc attataagag  
524401 tagtggttaa agggggctca tcaaatggag ccaatttggc tccatagggc  
524451 attaaacagc atggggcctc aaaaagtgca cccatcagaa tatttatagg  
524501 attaatattg ccccatagtg ttgctctgcg gtaacogtat ttaacatagg  
524551 gtcaagtgcg tgatgctat acggggacaa aagaaacta ttcctcaaa  
524601 taagcagaa gattgtgaca agaccttgaa caaacttggc acgaagtgtt  
524651 ctggcagcgc tgataagcac ctaggatacc cgtcaaacct cgaactttgc  
524701 cacagaccac tctctcaatc ccaacaattt ctaataaca tgggtgctat  
524751 agtcgggttc acactatgag acgggggtct gttcattagag tggcgggttg  
524801 tgcacttgag catcggtgtc gggggtgtgc gttatccaga agaatcctgg  
524851 ggaactgtgg gtcgaagtgc actgcaagt satcgatggc catatacctt  
524901 gggcggcaga cccctgtata tctctattct ataccctga cagagggtag  
524951 tgtgctgaag gttctgcaga attctctgag agggcggttt atggcagcgt  
525001 ggtgatgagc aacgtggatc atgacgtgct gatcgcaacg ctgcacggcg  
525051 tgaagctgac gggcatcccc gacacgctcg acacgttgcg ggaaggggga  
525101 gggcgtttgc gaggctatcg aaagaacgat caggcttggg tgcagcagaa  
525151 gaaocggcgc atcgtggacg ggtcgttgcg ttaaggaaag ctctcgggcg  
525201 cggagggcgc ggttctgtct gggcggtctc acgacgtggt cgtctgtcac  
525251 ggcaatctgt tccagccctc gttcaagctc cggaggaaga cagcagctgg  
525301 cggcgggttc gtcacacgct accatccgcc cgtgcggcct atcgcggttg  
525351 tgggtctgag tctgtctgtg atgaagggtg gttcgaggtg gttcgaggtg  
525401 atgtctggaa gggagatccc ggtgatgctg ttgcccggaa tctgtgcgcg  
525451 acagggggag ctgggaaagc ggttgatgct cgttggttgg aatgcgggga  
525501 ccgaagaacc gctgcacatc gatctgcagc gattcacgt gagcttgaa  
525551 acagcctggc aggtctgaga gaaagggcgc acacatcggc ggcctatag  
525601 ggcgaacaa ccttaccgca aaaggccgag catgtgggag ccatcgagcg  
525651 cccagattcg agcgttggtt gaggcagatc cggcgctctc ggcagccgcg  
525701 ggtgtccagc cgccttgtga gccgcgatac gtcacgcttc accaagaag  
525751 cgttcgggac ggtgcacatg ggcgtcaagg ctggcgccat ggaatagacc  
525801 gggcagatca tactcgatgg caactgtgat aagcgccgcg cggcagcttc  
525851 tccgctggag tccgctgttg gtcocgggag gtcocgggag gaatcgaaat  
525901 gtgcgagggc catgcccgtt cagaagggga tttcgtgtt acctcttgtt  
525951 tgtcgagact cagaagaagg agggggcatg cggttcacac gtagcattct  
526001 tggcagatgt attgaacggg tcaatcgggc cggcttccag acgatagtg  
526051 atgatcagca cggggagccc taagcaagg cgttccgagc ctgggactgt  
526101 tgggtctgat ctatgccacc ttgaggggtg cggagagcct ggcggcgctg  
526151 gaggcggcgt ggaacgccaa cagccatcac cactatcac ttggcagcga  
526201 ccgcttgccg atgcacaacg ccgcgcggcg gttgcgcctt ttgcgcagac  
526251 cttcgccctg cttcgccgac aactgcagcg acagacggcg cggcagggcc  
526301 gggccatggt cgggtgtgat gattccaccc cgaatccggt cggcagcttc  
526351 tggcgctgtt ccaatcgata cggcgcatc cggcgcatc agtgcgtgt  
526401 cgtctatgac ccgcagagcg actgcccggc cctctcgac atacogatg  
526451 ccaactgcaa cgaagccacg atcggtgca ccatgccaat cgaagcggc  
526501 gccacata tcttcgacaa gggctattgc cactacggtt ggtggagcgc  
526551 gatcggcag ggcgaaggct tcttctgac cgggcccgaag tccacatgt  
526601 gcttcaaggt ggtgcgcaca cggcgcatca aggtgcgga gggcagcgc  
526651 ttcacogtca tgcagacgc caacgtggcg ctggccagca aggtgattc  
526701 caagctgcgg atccgctgc gcgcgctcac cgtcaagcgc gccagcggc  
526751 acaccatcac gctgtgacc aatgatcgca agcggccgcg cgtggccatc  
526801 cggcgctctt acaaagcgcg cgttcagatc gaactctgt tccgtgggt  
526851 caagcagcac ctcaagatgc gcaattctgc gcatgatgt cccgtgggt  
526901 tggcgctgag tctatcgcc cagctgatgt ccatbgatgt actgcgctc  
526951 gggcgggcgc ttaacogcat caccatgcg atctcgat atcccgat  
527001 ggttatccgc tgcctcttgc agcgcggcga catcgccgcg atcagggcgc  
527051 cggccacggt caatccagc cagaggagac cccggtgtct ccccatcaa  
527101 atgagcttgc cctatgtctg aatttccccc gacagccctg cggcggggcg  
527151 gggagata cgggccaatc cagtgccccc aacttcagta acattctgg  
527201 atgaggcaat aggggggttc aattctcaga ttgcttgac atgcgggttc  
527251 tatctccccc gatgctctc cagaggttat tcaagcaaat cgcactga  
527301 cgtcattct cgcattgacc ttgtgagcga ccatgaaag ggggcagcga  
527351 cgtatcgct cctgcatca aggttctgga ccaagtcgga atcgatga  
527401 acagagcgtt tgcctcagc gggggcggcg tgaatgcaat ggtacttcc  
527451 tttgtctgat tttcacagag cctctttccc cctctttccc gcttcagat  
527501 acctggcgag atgatcgac cccgatggga tgcggaaag gccacgcgt  
527551 tctcgatatt tggcaagggc gcatggcctt tgacatcgt ggtttccgca  
527601 acaattctg tgcctgcacg gaacggcgcg agggcttgc agcagcact  
527651 cgtcagtggt ggtcttggc attgtccaat cgtgtgcat tgacggtgt  
527701 gtttccaaaa caatcgggga ggtcgtcaa cgaatacaa cagcatga  
527751 atggaggttc tgcccaagcg atggcagcga aagcgtcaaa cagatctca  
527801 tctatgatca tggctcttct ttggagcagc tctcgtggt ctggtgagc  
527851 cctgcagacc ggaagcattg tggcgctgag ctgcgctctg tgcgggtg  
527901 aggtacgcg agcttatct tgcagtgaa ggtttccgc gctcttgcga  
527951 cggctgtctt tgggggaagt gtcacaggt ccaagatgtc tgcggcactg

00539947-082701

528001	ctgttcgtctgc	tctgtgtcgctt	gataccttcc	atgcgtcagc	gcgctgtctgc
528015	ctgttcgtctgc	tctgtgtcgctt	cgtttatatc	gcgcgtctgtt	tctgtgtctgtt
528101	tgacactggtc	gagatcagctc	gtgcgcgcgc	gcactacact	agaaacactc
528151	tgccctggggg	atagtgaagc	gtgcgcgcgc	ggccgcgcgc	gcgcgcgcgc
528201	gttgcacacgt	gcctctggctg	tccggggcgt	ggpccgcgcg	gcgcgcgcgc
528251	ctgcgcaatc	ggcgctctgc	acgcgcgcgc	tccgctggct	cgactctctc
528301	ctgcgctttac	ggcgacccct	ggcgacgaat	atcaggcaga	ggpctctccg
528351	ccgcggggcgc	ggggatagctg	aatgcgaatt	gactatttgc	gtctgacttt
528401	gtgcgcgcgc	tgactttctga	gataggcagt	tctgtggaga	gaacgcgcgc
528451	tctcttatct	tgaagagctgt	tctggggcgt	ctctatgcac	atagggccgc
528501	tgttcggcag	ggagttagggc	acgcgtctgt	ctctctccgc	agcagactgt
528551	cttcgcgcgc	tctgtctctc	ctctggcgac	ctacatcgct	gatctctgcg
528601	acagcggcgt	ggctgcgcgc	cgcgccgagt	gggtcttgat	gcgttgaaag
528651	acagctccag	ggctctctgc	actgatctgc	ggctcttgat	cgccatctcc
528701	ctatctccgc	ccagcgactt	ggctcttgat	agactctggc	tgatctctgc
528751	ctgcgcgcgc	ccagcgactt	gtgcgcgcgc	actgtgcgcg	ctatctctgc
528801	ctgcgtggag	ccaaactctg	gtgcgcgcgc	aggcgccgcg	ccaccggaga
528851	ccgctgcgcgc	tcttaacatc	atctctgcgc	gggtatcgcc	aggcgccgcg
528901	ctgcgcgcgc	tgttagctct	acagcgccgc	cgatctgga	gcgtcagctg
528951	acacttttgc	gcagctctac	cgcttgcgcg	catagctgaa	gcgtcagctg
529001	ccagctgcac	ctctgcgcgc	gagcacaagg	cgactgaattc	gcgtcagctg
529051	taacggaagc	tctgtggcag	cgccgtctct	ggggccccat	atgttgcgat
529101	ccagctgcgc	ggcgcaacga	cgccgtctgc	actccatctc	ctgtctctct
529151	ccacagctct	acgcgaagt	actgcctgat	ctactctctc	acacggcgatg
529201	gtttccggaga	ccgctctctg	aatcttgaac	tccgcgcgaa	ctaccagact
529251	ccggcgtctgc	ctacgatagc	gggtgtctgc	ccgcgcgaag	acgcactctc
529301	gtttccggaga	ccgctctctg	gaattggccc	tccgcgcgag	aggcggaagc
529351	ttcttcgcata	ccaggcgcgc	gtgctctgct	aaactcagctc	ggcgccgcgc
529401	tgcgtctctg	tgaactgcgc	tccccggatc	ccaaagcgac	gcctcagcgc
529451	aatctcgaatg	gggctccgat	gagactctga	aggttctcct	ccgagacaga
529501	ctgttctggcga	gaaggatgcgc	cgactctgcg	gcgcgaacaa	ctagtcttgc
529551	ggagcagctac	ctctctgagc	ctgcgaacga	gaagatctac	aaagtctggc
529601	gaagacgcgc	cttctgctat	ccaaacga	ttacagcgcg	agctctccac
529651	ccactcaact	ccgcgcgcgc	ctgcggcgcc	ggcgccacac	ctgtctgcgc
529701	catttctgca	gcttctgatt	ccgcggcgcc	ggctctaat	ctgcgcgcgc
529751	cttcgcgcgc	gatggacaac	ccacgtctct	tcttctgaat	cttcgcgcgc
529801	ttaactctgt	atactgatat	atatgatatt	tgttccgaag	ctcagccaaa
529851	ctctcagctc	atccaaacgc	gcagcattta	caagtctgtc	tgaactctac
529901	ctctcagctc	atccaaacgc	gcagcattta	caagtctgtc	tgaactctac
529951	gtaactatct	gtctgtctgc	gtctgtctgc	aaattgacgc	ccgcgcgcgc
530001	acgcacaact	ctctgtctgc	ccggggcgac	aaattgacgc	ccgcgcgcgc
530051	gaccagctgc	gttttgagcgc	ccagctgtgc	tctgtgcagc	aggttatctg
530101	gaccagctgc	cgagcgcgct	tctgcgcgac	cttctgttgt	agaggtctgc
530151	ggagctgttc	agctcagttag	ctctcgcggt	togatctctg	tgcgcgcgcg
530201	ctcaactcgt	caggaacatc	gtgtcagcag	tctgtcggcg	cgagctgcgc
530251	tctctctgcg	ccacatctgc	ggtctatgaa	ggttctctat	ctgaactctg
530301	ccacagcgc	ttctgcactt	ccacgcgcgc	agacagactg	tgcgcgcgcg
530351	ccacagcgc	ggagcgcgcg	ccgggaagcgc	gaccagctgc	tgcgatattc
530401	cgactctctc	actctctctg	ccgaacagcc	tgactgtctg	ctctcagctg
530451	ccactctctc	acgcgcgcgc	ccgcgcgcgc	ggctctgcgc	ggcctctcgc
530501	acactctctc	acgcgcgcgc	ctctcgcgcg	ccagcgcgaa	ctgcagcgcg
530551	gctcttctgc	tttgcgcgcg	ctctcgcgcg	ccagcgcgaa	ctgcagcgcg
530601	ggctctctgc	aaactctctg	cgccgcgcgc	tttgcgcgcg	ctctcgcgcg
530651	aggactcttc	tctgcgcgcg	tccgcgcgac	ttgcgcgcgc	tcaacgcttg
530701	tctcgcgcgc	ctccagcgct	atcgagccct	gatcgagcgc	cgctctctgc
530751	aggcgcgcgc	atgaaacagc	ccctctgcac	cgcgcgcgcc	agcctcagca
530801	cgctgcgcgc	tgaactctgc	ctctgcgcgc	tcaaggtctc	tttgcgcgcg
530851	tttgcgcgcg	ggggcgacaa	ggcgcgcgcc	ccagcgcgcc	gttctctctg
530901	ggtgctgcgc	gagcgcgaac	tggcgcgagc	cgatcgcgcc	cgcatcgact
530951	ggcatctctc	ggagggcggc	tggccgcgcg	gaagacgcgc	cgmacagctt
531001	ggcatctctc	ggagggcggc	tggccgcgcg	gaagacgcgc	cgmacagctt
531051	ccggcgcggc	tt			

531801 gatcgatagc ggaactataga cgggaaagtc gctgacacgc gctgctgcag  
531851 atcagagcgc gctctgaggg gctggtggag aaaggggggc tatcgccctc  
531901 ggtgtagcgc acagacgcgc agcacgcgtt cgttagctgt cgggaggtct  
531951 ccttcacaggc gttcacgttc gactcgccgc gggggctata gacacaccc  
532001 ttatgoccaa gccgcactga gtgagcatgt tacatgttca tccacggtat  
532051 ggtatgtagc tatgcacaaa ctcgattttt ccattctcgc gaatttcgat  
532101 taagaaactc gtacaggttg gaggcagagt ggcacgtoag acacggcgca  
532151 cgcagatagt attggaatc cgtcccgcca tgcattgagg caggcttcac  
532201 gagcgaaatc aagtggggtc acattcgccg cgaatcgaat tctggctccc  
532251 ccagctatag ccgcaggcag cgcattctgc ggtgctcacc cgtacgtcgg  
532301 tggcctccag tacatcacaa ccgcctcggt ggtttatctc gttgcgcagg  
532351 aaatgcagc ggcgcgcgc cgaaggtcgt gaattggcgc aactgcaga  
532401 tcttcaggag acttgattga aagcaagct cgtgcatact atggccgcca  
532451 ttggcgacga gcggggcaac atagctgttc ttgtgttacc aacggcgagc  
532501 caacgcgcaa ccgcgcacgc gttttttgag gagacgtgct ccgggttgag  
532551 ttgggaagac acttccgcgc acactgcctc gccaggtaac gcatctatc  
532601 ggtctcgttg aagctcagtt tatcgccggt gccactctgt ggcacacaaa  
532651 accaacttac gagggaaga catcaatgga tcagcccgct tggagatcc  
532701 cgcgtacggc cctgatctgc gatgcagatg acgctgcacg tcaacggcgt  
532751 atacogaatc tggcgtcgtt cgaactaaac ctgctagtgg agctcagggc  
532801 ctatgtgcag tatgaacaaa tcaacgctgc ggtccaactc gtcggttaga  
532851 gcaacgcgc aatagataga gccctatcaa ggttcggtga catgttcaa  
532901 ccttcagctt tggtagcggg ctgcagtgcc ctgctcccaa acccgagcgc  
532951 cgaacacttg gcgcaaatgc tgcgcctcgt attgaatgct atccgcgaac  
533001 tggtagctcg cagttccggc ttaagggatt tggcgtgcaa ggttaactat  
533051 gcaatgcgcg atcaccaatc gctagtctct ctgcactatc tatcgccggt  
533101 tttaggttag cgtgtgcctc atgttgacat cgtcacccag ccaatttttg  
533151 acggcgtctc aoggcgtctc gagcaagggt agattgactt tgcgatcggg  
533201 cagatgggtg cgcctctccc aggtactctt cggcgccggtc tctatcgga  
533251 ccgcttcaat tgcctgttcc gccacgcaca ccctgcatta gagcagaggt  
533301 ggaagctcgc acccttcgpc cgtcgtcgtc agcgtctcat tgcctggat  
533351 tccaaagcgc gctcgggtca agtctatgat ggtcgtgcta ggttcggatc  
533401 acccgttcgc atagtgtctc ccaacgtctc actcgcgcca gttttagttg  
533451 cgtagctga cctagtgtgt atgataccg accaggttgc aactcaggtg  
533501 ggcactatgc tgcgcctcgc tattgtagat ccacccggtg agctgaagcc  
533551 atagaaagtt ggttgtatct ggcaccagcg ctgccatcat gacttggaac  
533601 atcgcgtgct ggcgtcggaa atgcgcgcgc cagcggcgat gggcgcgcta  
533651 gacgtgtcac aagacaaagc ggcgaggcgc cagaaagata gttgaacta  
533701 ccgctgaacg gaaggtgtca gcgaaggaca gccgcacacc ggttgagatt  
533751 gatccatca agcgcggggt ttgttagcgt ttagtctctc caaggtcgtc  
533801 gttccatgct ggttcgcgc tgcacttcca tgcacttcca cgtgcagc  
533851 ggcgcactc ggttaaggtc gctatgtcat cgtcaactat tgacattat  
533901 tgcactgcaa caatgcttag cttcctgcat ccacattat gctcaggt  
533951 tcccttaagc cgggaacgcg cgtctcgtgc gccagtaga aggagtcca  
534001 tctcatgaaa aatttaatcc acaacgtggg cccaaacgac gccgtagg  
534051 acccgttcca tataggtgat ggggttcgpc gatctcgcga agcgttcgta  
534101 tatagcgtcg acgacctgc attaacatgc ggttgtacat ggcgcgaat  
534151 ttcaggatca gaattaggtg ctgatgtcga cccctgaacg ctcagcgtg  
534201 tagctcgtgc ccttcaggtg gccacacaca ccttcgattt gaacatcca  
534251 tgaacagctc tagtggaaa cagctcagca aagctcagc atagtccgc  
534301 agcgtatgc caactatgpc gacacacctc ttccatagc tggcgtacag  
534351 tgcacacaca ccggaggtgt cgtcgcggtt gcacgcaga ccggcatgaa  
534401 atgcctcctg gttcagaaca gttgtgccat cggcgcgtat acacgacccg  
534451 ggccttctgc attcctatgc acatcaatcc agccgagaac atctcgttat  
534501 ctgtgcgaga acgacttca cctctcgtgc ggcggcgaaa tcatcgataa  
534551 atcagtcagg cctggaaact cttcgtcaac aacaaagtc ttcgtcaact  
534601 ccataaagtc aggcnaatgg gcgcagatgc aaacttaat gcaatcgagt  
534651 agacattcac cctcagagt tctcctaag accaaactct tctatccaaa  
534701 cgttcgtgct cctcaagttc cgttccgtgt ctacaccca ggcgggaag  
534751 aactggagc cgtcaggtta tgcgaataa caaccccgcc tggctcgcga  
534801 ggcgtgttag cgtctgcact ccacacagcc gttctcgtt tgtcgtttt  
534851 ttaggtagtt caccoccggt gcgagggccg gatctccac ctcgcgcgct  
534901 gccactagtc caagcaagc ccacgcgctt tgggaggagc tggagggcgc  
534951 ctgctcatat cgtctatagt cgtagtggtg gctgattgca tctcgcgcc  
535001 aacgcgcgtc ccaactctgg atggatacta gccattccac cgccttctct  
535051 atcagtggtt cttggtgctc gatccctgpc gccatccagc cgcacacac  
535101 agcaccagta cgttagatgt agttcaggcc ccagggccgc taactgatc  
535151 cttccgcgtg tggggtcggc gcgcaaatg caatcccttc ggcgactgpc  
535201 tgcctctttt ggtggaatcc gccgacctcg gccacactcg agagagcgc  
535251 tgcgtatgct tcttcgcgga gcggcgccgc cagcgccgca tggctcgcga  
535301 atggagagtt atcagcttag tattgagat tgttgagctc gaaggcgcc  
535351 cagcgcacat ccggtgtttg catgccttcg atccattccc ggcacgcgc  
535401 gatcgggtg cgttatctct tctcgcgcgc gtgcgcgctc ggcggttcca  
535451 tggccatgac caacactgca gtgtcatcga gatcgggata gtcgctgtg  
535501 ttgtattgaa acggcgccgc ccggggcgtc atgttgggag ccttcacgct  
535551 ccagtcgccc ttcactgtca taactgcgc cggcttcagc cagtcacgpc

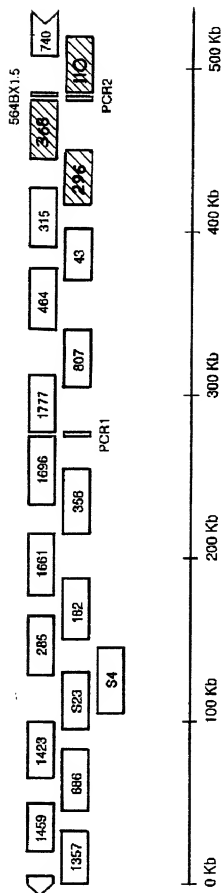
09939964.082701

NGR234a.gcg Thu Jun 27 11:21:16 1996142

535601 cctgcttcgc ttctgcacg gcgtagcgc cgcacactc ctgaagtgcg  
535651 tggcagctca gcgcggtgc ccagacggc gccagggcagc gctggcaata  
535701 ggcctcttcc tgcgcgatca ccagagcctt gtcacatgcg cgaagtgcata  
535751 tgcgcgcggc cggaaatga tgcctcttcc cgaagcggtc atacatcctc  
535801 acgatattgc ccatcgacgc atagatcgcg cccatgccat cttcaagctt  
535851 gacgcgctct tcagtgaagc cgcgcgcact cgcgatcgcg cgcacagaa  
535901 gttctcttcg agatgcgcgc tcaataaccc gcaggtgcgc gtcgatgcgc  
535951 cggaaacagca agaaccagcc ccagctctcg tgcgcgcctc tcgggttcat  
536001 gcctacgcctc ttggtatcct gaaggacag ttcttcgatg cgcagcgcct  
536051 taggattctt cgcacgcgcg ttcagcactg caagaacct cagcgcgaca  
536101 atagtgggtc gcgcaccgta ggcgatcttg tagaggtgga accgcgacca  
536151 gattggcagc agcac

0933964.082704





**Figure 4:** Map of the 20 sequenced cosmids covering the 536-Kb symbiotic plasmid of *Rhizobium* sp. NGR234.

The cosmid names consist of the prefix pXB and numbers that are given in the graphic.

PCR1: PCR product covering the gap between two cosmids from position 276,448 to 277,944.

564BX1.5 and PCR2: a subcloned 1.5-Kb DNA-fragment derived from cosmid pXB564 and a PCR product covering the gap between two cosmids from pos. 480,607 to 483,991.

Grey coloured areas cover the region from pos. 417,796 to 517,279 mentioned in the text.

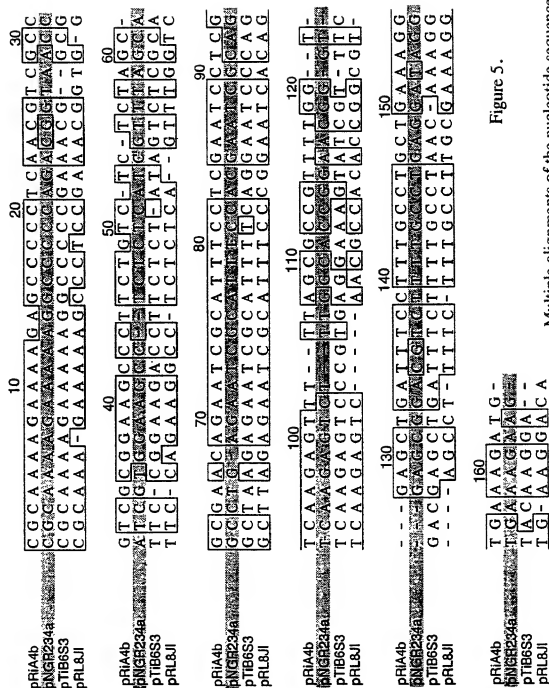


Figure 5.

	1	10	20	30
pNGR234a	C A G G A T G T C G C G A C A G C G A C G T A	T A A T T G C G C C C T	G G A	
pTIC58	C A A G G C G T C G C G T C A G C G A C G T A	T A A T T G C G C C C T	T G G	
RSF1010	C C A G T T T C T C G A A G A G A A A C C G G	T A A G T G C G C C C T	C C C	
pTF1	G G G T A A T C T C G A A G A G A T T A C T C	T A A G T G C G C C C T	T G C	

Figure 6. Multiple DNA sequence alignments of the regions containing the origin of transfer of: the symbiotic plasmid of NGR234; pTIC58, the Ti plasmid of *A. tumefaciens* C58; RSF1010, a mobilisable plasmid of *E. coli*; and; pTF1, a mobilizable plasmid of *Thiobacillus ferrooxidans*. Major conserved nucleotide residues are boxed. Known "nick" sites corresponding to the nucleotide positions where the specific plasmid strand is cleaved are marked (z). Sequence features in the trailing portion of the *oriT* sites include inverted repeats which are marked by horizontal arrows.

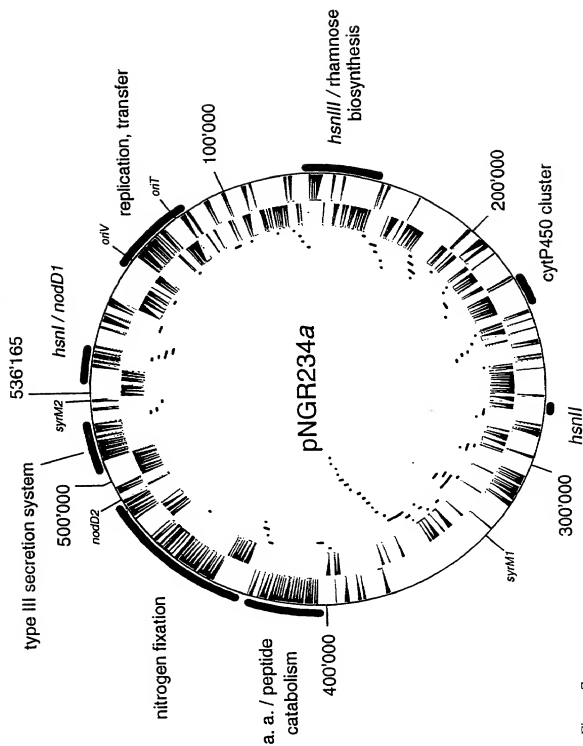


Figure 7.

Circular representation of the symbiotic plasmid of NGR234. Outer and inner concentric circles: coding regions identified on the plus and minus strands respectively. ORFs which belong to insertion-like elements are not visible. Thin concentric black lines represent mosaic sequences as well as complete or partial IS like repeats. Major gene clusters are highlighted as thick black concentric lines.